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FORESTRY PAMPHLETS

BIBLIOGRAPHY

Vol. 2

LIBRARY
OF THE
U.S. DEPARTMENT OF AGRICULTURE

Utilization of Farm and Forest Waste Products- A Selected Bibliography. (typewritten)
By McCulloh, Dorothea Gleim.
Library School, U. of Wisconsin, Madison.

List of Publications on Wood Preservation.
Forest Products Laboratory, Wisconsin.
U.S. Department of Agriculture.

List of Publications on Boxing and Crating.
Forest Products Laboratory, Wisconsin.
U.S. Department of Agriculture.

Bibliography of Literature on Plant Protection, for 1929.
Morstatt, D.
Publ. in Berlin, 1930

Bibliography on Forest Taxation. Issued 1908.
U.S.D.A. Forest Service.

Current Literature. A Series of Periodicals of Current Forestry Literature for the years 1908, '09, '10.
U.S.D.A. Forest Service.

Madison
June 1930

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Walter Mulford

CURRENT LITERATURE FOR JUNE

1906

Compiled by the Librarian of the Forest Service

The current literature announced in this list consists of publications on file in the Forest Service Library, and of those recently issued but not on file here. Members of the Service are urged to report their needs to the Librarian of any new literature not received, when steps will be taken to secure it.

* Literature not on file in Library

FORESTRY-GENERAL

1. Forestry; the work that is being done for the preservation of the nation's timberland, scope of the task, and story of the men who are saving the woods; T. R. Shipp. 1906. 12 p. Illus. (In The Reader, Indianapolis, July, 1906.)
2. Progress of forestry in 1905; J. C. Blumer. 1906. 5 p. (In Fruitman and Gardener, Mount Vernon, Iowa, May, 1906.)

MANUALS OF FORESTRY

- *3. Manual of forestry, Vol. 1; W. Schlich. New ed., 1906. (Bradbury, Agnew & Co., London.)

ENCYCLOPEDIAS, DICTIONARIES, AND CALENDARS

- *4. Carnet-agenda du forestier. (Foresters' memorandum-book.) 1906. (Jacquin, Besançon.)

FOREST BOTANY

5. Classification des saules d'Europe et monographie des saules de France. (Classification of the willows of Europe and monograph on the willows of France); A. and E. G. Camus. 1904-5. 2 v. and atlas. (J. Hensch, Paris.)

6. The forest trees of Britain; C. A. Johns. Ed. 9, 1903. 451 p. Illus. (Society for promoting Christian knowledge, London.)

See also Nos. 32 and 36.

SILVICS

- *7. Le châtaignier, sa culture, ses produits, ses maladies, leurs remèdes. (The chestnut, its culture, products, diseases, and their remedies.) 1906. 292 p. Illus. (Libr. Vigot freres, Paris. 4 fr.)

- *8. Recherches sur la régénération du sapin. (Investigations of the reproduction of fir); E. Gerdil.

See also Nos. 22 and 35.

Stream flow

- *9. Eau et boisement. (Water and afforestation); E. Des-soliers. 1905. 28 p. (M. Rouff, Alger.)
- *10. Influence des forets sur le régime des eaux. (Influence of the forests on water); E. Guinier. 11 p. (Jacquin, Besançon.)

HISTORICAL

- *11. Grundzüge der Geschichte und Wirtschaft der königlichen Oberförsterie Eberswalde. (Main features of the history and management of the royal forest district of Eberswalde); W. Borgmann. (J. Springer, Berlin. 1.20 M.)

EDUCATIONAL

12. Arbor day in Massachusetts, April 28, 1906; Massachusetts state board of agriculture. 1906. 30 p. Illus. (Wright and Potter, Boston.)
13. Books and references for arbor and bird day, 1906; Columbus, O., Public school library. 1906. 14 p. (F. J. Heer, Columbus.)

FOREST MANAGEMENT

- *14. Aide à la gestion des bois particuliers. (Aid to the management of private woodlands); E. Desjobert.

See also Nos. 11 and 35.

Working plans

See No. 35.

Lumbering

15. Handbuch der kaufmännischen Holzverwertung und des Holzhandels. (Manual of timber sales and the timber trade); L. Hufnagl. 1905. 318 p. Illus. (P. Parey, Berlin. 8 M.)
16. Wholesale lumber prices; Forest Service. 1906. 1 p.

Volume and yield tables

- *17. Cubage des bois sur pied et abattus. (Cubic contents of standing and felled trees); R. Roulleau. 1905. 120 p. (Berger-Levrault, Paris.)
- *18. Massentafeln zur Bestimmung des Holzbehaltes stehender Waldbäume und Waldbestände. (Volume tables for determining the contents of standing trees and forests); Grundner and Schwappach. (P. Parey, Berlin.)
- *19. Taschenbush für Berechnung des Kubikinhaltes von Rundhölzern, Latten, Brettern und Fälen im Metermasse, nebst Massvergleichung mit dem alten Masse. (Handbook for reckoning the cubic contents of round timber, laths, boards, and boxes in meters, together with a comparison with the old measure); M. Lizius. 180 p. (C. Attenkofer'sche Buchhandlg., Straubing. 1.70 M.)

Planting

- *20. Die Dünangestalten der Kurischen nehrung. (Dune forms of the Curische-Haff); E. Kurz. 1904. 65 p. Illus. (H. Jaeger, Königsberg i. Pr.)

1. The first of these is the fact that the
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- *21. Plantations d'arbres jubilaires dans le Luxembourg en 1905. (Plantations of jubilee trees in the Luxembourg in 1905); J. Houba. 1905.
 - *22. Ratschläge für den Anbau von Laub- und Nadelholz unter Berücksichtigung der Bodenverhältnisse. (Advice for the cultivation of hardwoods and conifers in relation to soil conditions); Wegner. 31 p. (J. Neumann, Neudamm. 1. -M.)
 - *23. Le reboisement des terres en friche dans l'arrondissement de Neufchâteau. (Reforestation of waste lands in the district of Neufchâteau); L. Parde.
 - 24. Fence-post trees; Forest Service. 1906. 4 p. (Forest planting leaflet 16.)
 - 25. Scotch pine (*Pinus sylvestris*); Forest Service. 1906. 3 p. (Forest planting leaflet 15.)
- See also Nos. 12, 13, and 35.

Cultural

- *26. Ueber Düngung im forstlichen Betriebe. (Fertilization in forestry); M. Helbig. 141 p. (J. Neumann, Neudamm. 3.- M.)

Organization and administration

- 27. Field programme for June, 1906; Forest Service. 15 p.
- 28. Prussia-Ministerium für Landwirtschaft, Domänen und Forsten-Abtheilung für Forsten. Amtliche Mittheilungen, 1904. (Prussia-Department of agriculture, public lands, and forests-Division of forestry. Official contributions, 1904.) 1906. 45 p. (J. Springer, Berlin.)

UTILIZATION

- 29. The charcoal industry in the Philippine Islands; W. M. Maule. 1906. 20 p. Illus. (Philippine Islands-Forestry bureau. Bulletin 2.)
- 30. A compilation of notes on India rubber and gutta-percha. 1906. 40 p. Illus. (Philippine Islands-Forestry bureau. Bulletin 3.)

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31. Grades and amount of lumber sawed from yellow poplar, yellow birch, sugar maple, and beech; E. A. Braniff. 1906. 30 p. (Forest Service bulletin 73.)
 32. Notes on the commercial timbers of New South Wales; J. H. Maiden. 2d ed., 1904. 42 p. Illus. W. A. Gullick, Sydney, N. S. W. 1 s.)
 33. Les scieries et les machines à bois. (Sawmills and wood-working machinery); P. Razous. 1902. 444 p. Illus. (Dunod, éditeur, Paris.)
 - *34. Woodwork joints; how to make and where to use them. 1906. 101 p. Illus. (Spon and Chamberlain, N. Y.)
- See also No. 35.

PROCEEDINGS OF ASSOCIATIONS

35. Royal English arboricultural society. Transactions, Vol. 6, Pt. 2. 1905-6. 343 p. Illus. (G. and T. Coward, 9 Fisher St., Carlisle.)

Contents:

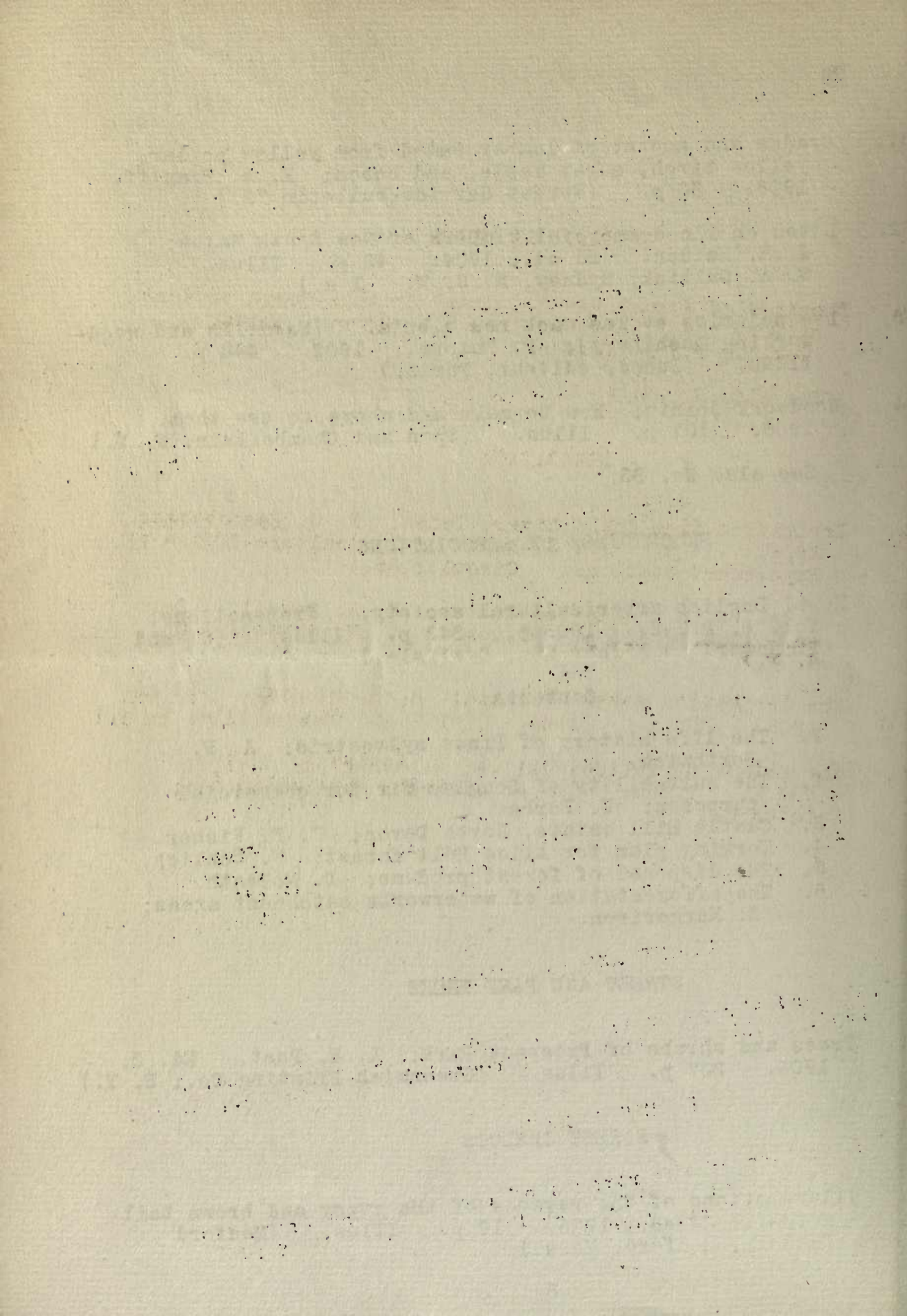
1. The life history of *Pinus sylvestris*; A. W. Borthwick.
2. The suitability of Douglas fir for commercial purposes; W. Forbes.
3. Castle Hill estate, North Devon; W. F. Fisher.
4. Working plan for Alice Holt forest; W. Schlich.
5. The disposal of forest produce; D. McBeath.
6. The afforestation of waterworks catchment areas; S. Margerison.

STREET AND PARK TREES

- *36. Trees and shrubs of Prospect Park; L. H. Peet. Ed. 3, 1906. 237 p. Illus. (Greenwich Printing Co., N. Y.)

FOREST INSECTS

37. Illustrations of the ravages of the gypsy and brown tail moths. 2d ed., 1906. 10 p. Illus. (Medford Mercury, Medford, Mass.)



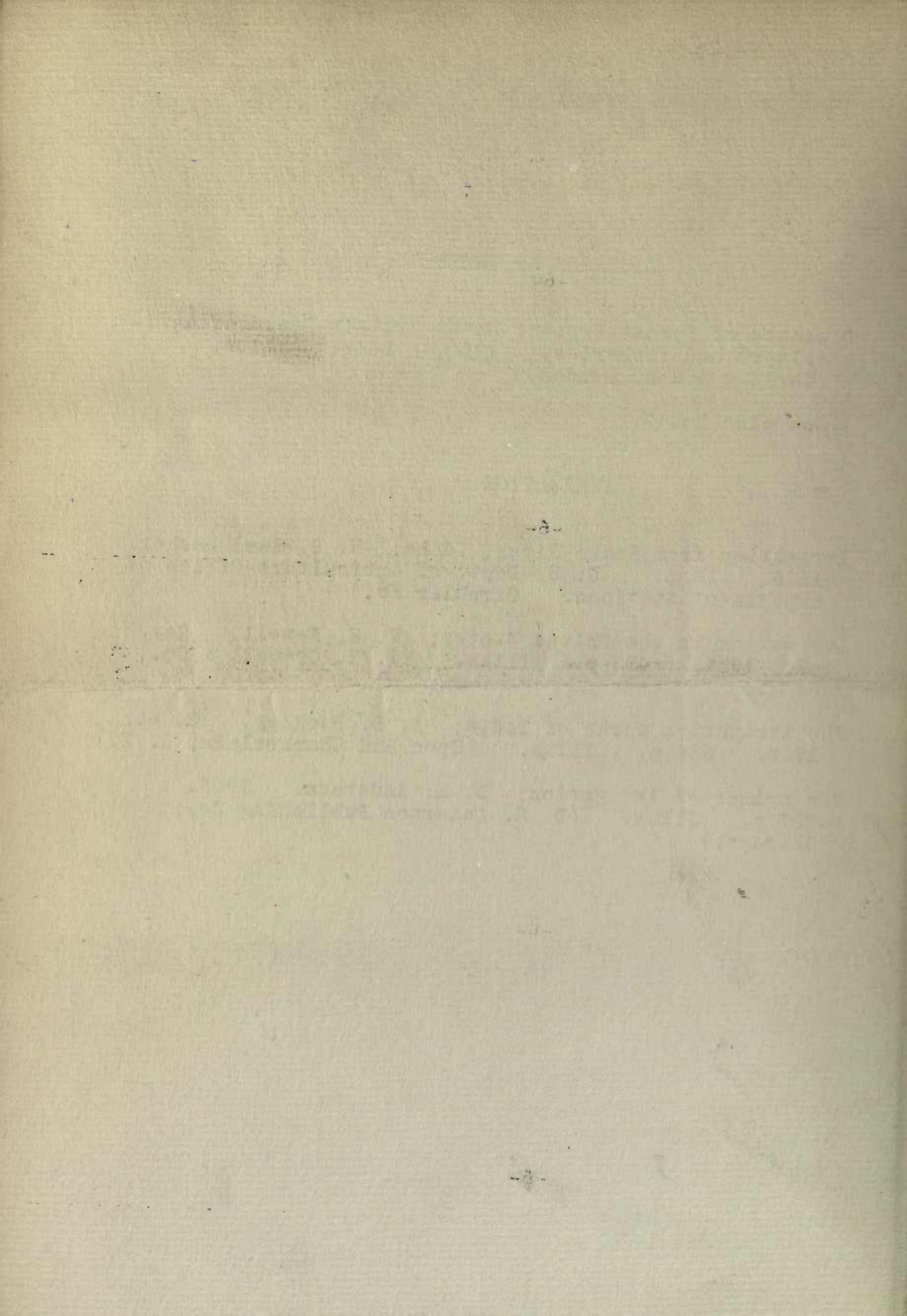
DISEASES OF TREES

- *38. Diseases of forest trees; Great Britain-Board of agriculture and fisheries. 1905. 20 p. Illus.
(Darling & Son, London.)

See also No. 7.

IRRIGATION

39. Irrigation from Snake River, Idaho; H. G. Raschbacher. 1906. 16 p. (U. S.-Dept. of Agriculture-Office of Experiment Stations. Circular 65.)
- *40. Irrigation in the United States; F. H. Newell. Rev. ed., 1906. 433 p. Illus. (T. Y. Crowell & Co., N. Y.)
41. The irrigation works of India; R. B. Buckley. 2d ed. 1905. 336 p. Illus. (Spon and Chamberlain, N. Y.)
- *42. The primer of irrigation; D. H. Anderson. 1905. 257 p. Illus. (D. H. Anderson Publishing Co., Chicago.)



Walter Mulford

UNITED STATES DEPARTMENT OF AGRICULTURE

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CURRENT LITERATURE FOR MARCH

1908

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

- Forestry and forest preservation in Alabama. 1908. 23 p.
Bulletin 1 of the Alabama state commission of forestry,
Montgomery, Ala.
- The progress of forestry in Hawaii during 1907; papers read
at the annual meeting of the Hawaiian sugar planters'
association, Nov. 13, 1907. 24 p. Hawaiian forester
and agriculturist, Honolulu.

FOREST BOTANY

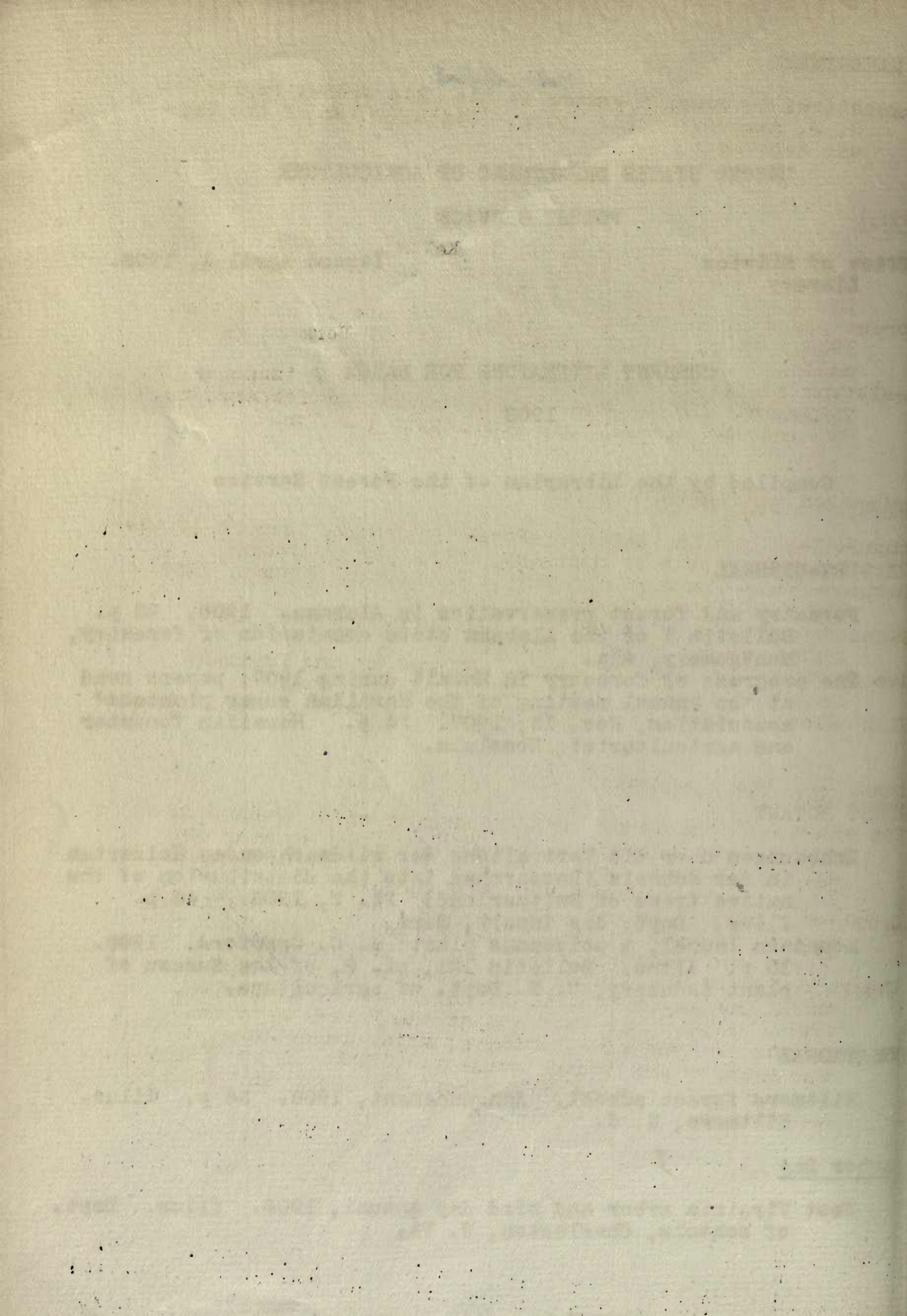
- Erhebungen über die Verbreitung der wildwachsenden Holzarten
in der Schweiz (Researches into the distribution of the
native trees of Switzerland) Pt. 2, 1908. 40 p.
Illus. Dept. des Innern, Bern.
- Mountain laurel, a poisonous plant; A. C. Crawford. 1908.
15 p. Illus. Bulletin 121, pt. 2, of the Bureau of
plant industry, U. S. Dept. of agriculture.

EDUCATIONAL

- Biltmore forest school. Announcement, 1908. 38 p. Illus.
Biltmore, N. C.

Arbor Day

- West Virginia arbor and bird day annual, 1908. Illus. Dept.
of schools, Charleston, W. Va.



FEST MANAGEMENT

Suggestions to woodlot owners in the Ohio valley region;
S. J. Record. 1908. 15 p. Circular 138 of the Forest service.

Planting

Forest planting in Illinois; R. S. Kellogg. 1907. 13 p. Illus. From 12th annual report, Illinois farmers' institute, Springfield, Ill.

Forest planting in Vermont; L. R. Jones and C. R. Pettis. 1908. 24 p. Illus. Bulletin 132 of Vermont agricultural experiment station, Burlington.

Resistant eucalypts for planting in southern Arizona; J. J. Thornber. 1908. 4 p. Timely hints for farmers, no. 68, Arizona agricultural experiment station.

Organization and Administration

Canada-Dept. of the interior-Forestry branch. Report of the Superintendent of forestry, 1907. 45 p. Ottawa.

Indiana-State board of forestry. 7th annual report, 1907. 376 p. Illus. Indianapolis, Ind.

Massachusetts-State forester. 4th annual report, 1907. 1908. 43 p. Illus. Boston.

New South Wales-Dept. of lands. Report of the Forestry branch, 1906-07. 1907. 25 p. Illus. Sydney.

U. S.-Forest Service. Field program for March, 1908. 23 p.

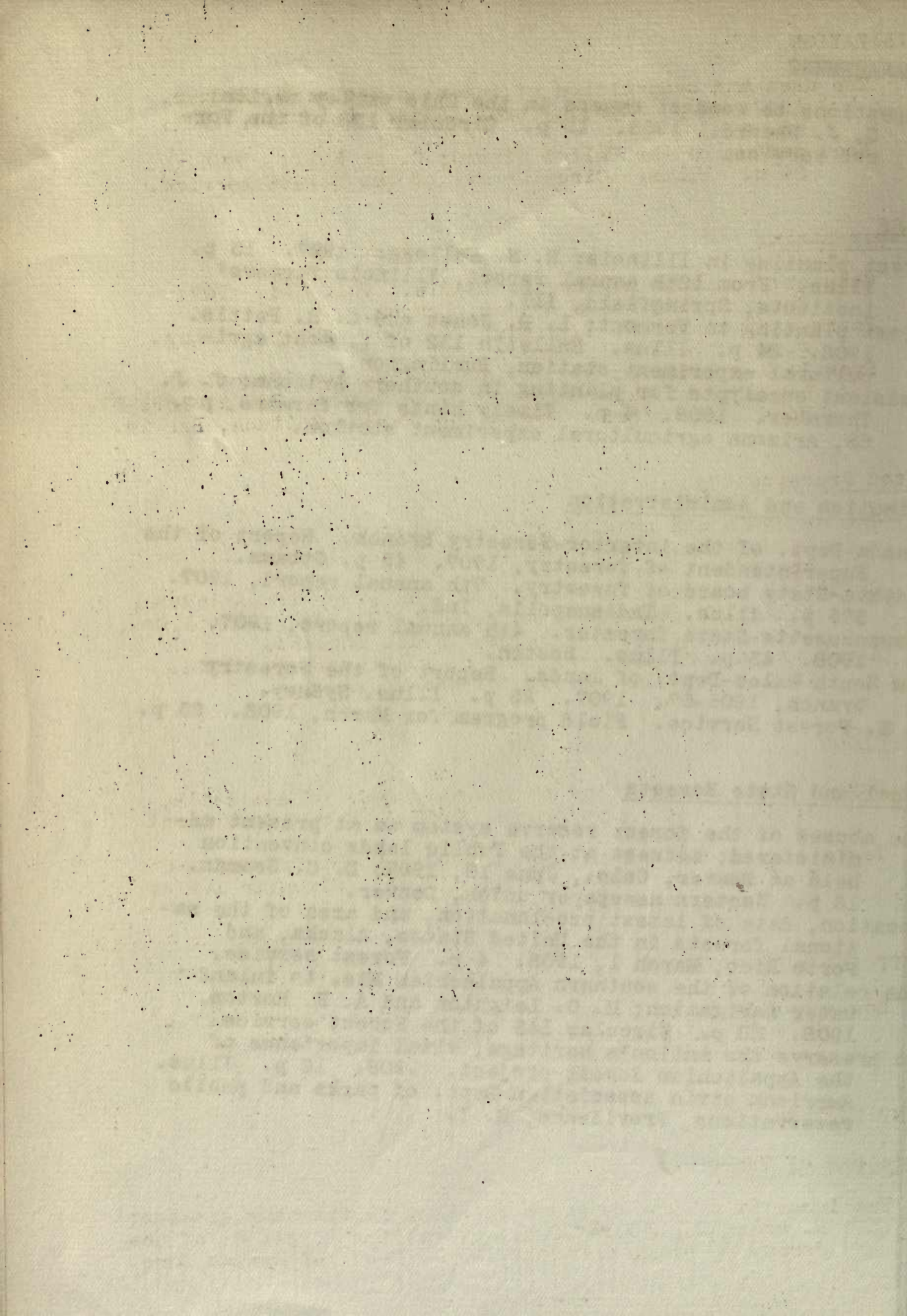
National and State Forests

The abuses of the forest reserve system as at present administered; address at the Public lands convention held at Denver, Colo., June 18, 1907; D. C. Beaman. 16 p. Western newspaper union, Denver.

Location, date of latest proclamation, and area of the national forests in the United States, Alaska, and Porto Rico, March 1, 1908. 4 p. Forest service.

The relation of the southern Appalachian Mts. to inland water navigation; M. O. Leighton and A. H. Horton. 1908. 38 p. Circular 143 of the Forest service.

To preserve the nation's heritage; vital importance of the Appalachian forest project. 1908. 12 p. Illus. American civic association-Dept. of parks and public reservations, Providence, R. I.



UTILIZATION

- The uses and composition of tamarind seeds; D. Hooper.
1907. 4 p. Agricultural ledger, Calcutta, 1907,
no. 2.
- Wood paving in the United States; C. L. Hill. 1908.
24 p. Illus. Circular 141 of the Forest service.

Paper-making

- Chapters on paper-making; C. Beadle. Vol. 3-4, 1907.
Crosby, Lockwood and sons, London.
- Paper technology; R. W. Sindall. 1906. 253 p. Illus.
C. Griffin & Co., London.
- Praktisches Handbuch der Papier-Fabrikation (Practical
handbook of paper-making); C. Hofmann. Ed. 2, 1891-97.
Vol. 1-2. Illus. Verlag der Papier-Zeitung, Berlin.

Wood Preservation

- The analysis and grading of creosotes; A. L. Dean and
E. Bateman. 1908. 44 p. Illus. Circular 112 of
the Forest Service.
- Creosoted wooden poles for electrical power transmission,
telegraph, telephone work, etc.; R. Wade, Sons & Co.,
Ltd. 1907. 91 p. Illus. Hull, England.
- A primer of wood preservation; W. F. Sherfesees. 1908.
15 p. Circular 139 of the Forest service.

TECHNOLOGY

- Physical characteristics of the hardwoods of Australia;
G. A. Julius. Supplement, 1907. 25 p. Government
of West Australia, Perth.
- Tests of vehicle and implement woods; H. B. Holroyd and
H. S. Betts. 1908. 29 p. Illus. Circular 142 of
the Forest service.

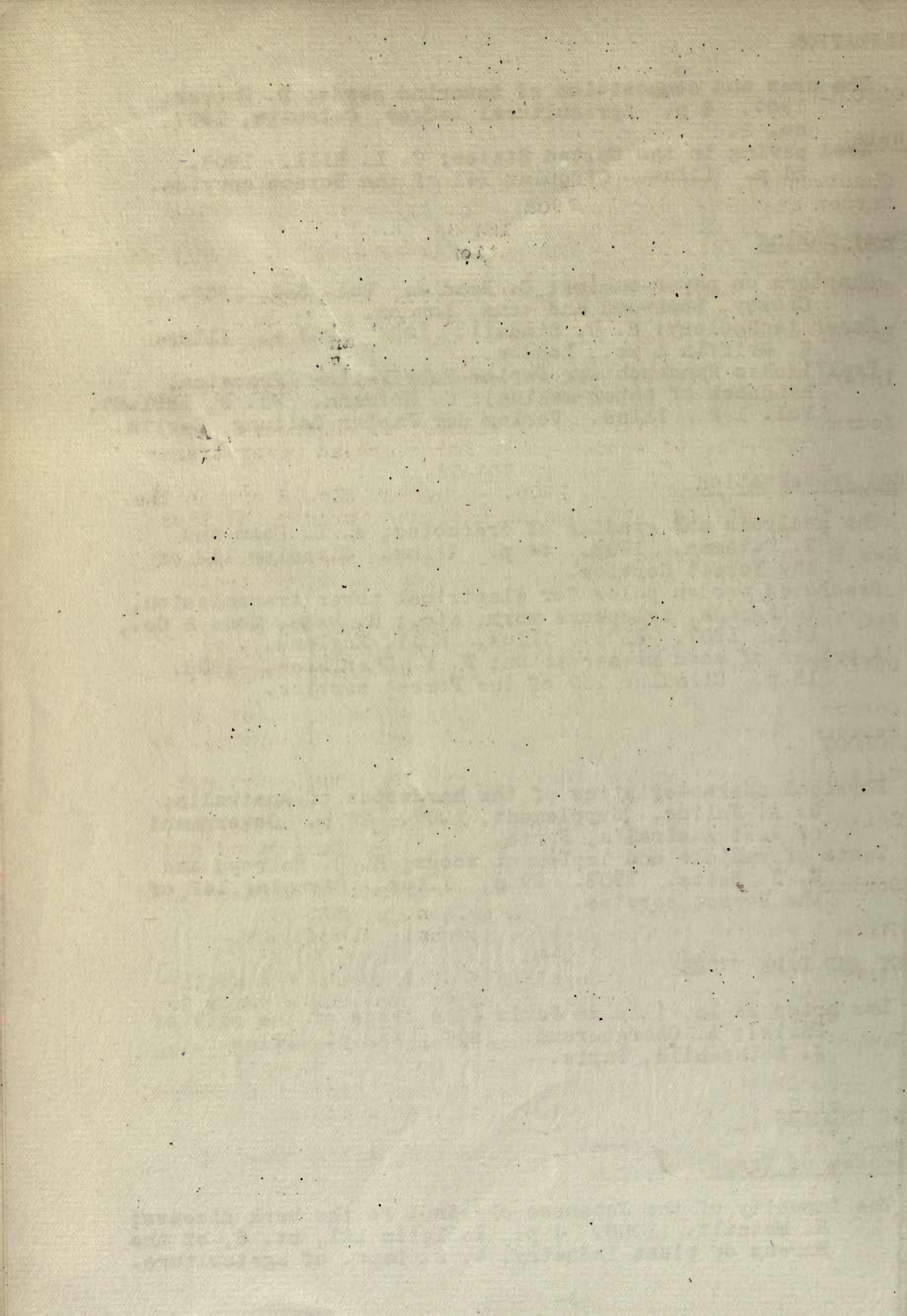
STREET AND PARK TREES

- Les arbres de la ville de Paris (The trees of the city of
Paris); A. Changueraud. 1896. 332 p. Illus.
J. Rothschild, Paris.

FOREST ENEMIES

Diseases of Trees

- The immunity of the Japanese chestnut to the bark disease;
H. Metcalf. 1908. 4 p. Bulletin 121, pt. 6, of the
Bureau of plant industry, U. S. Dept. of agriculture.



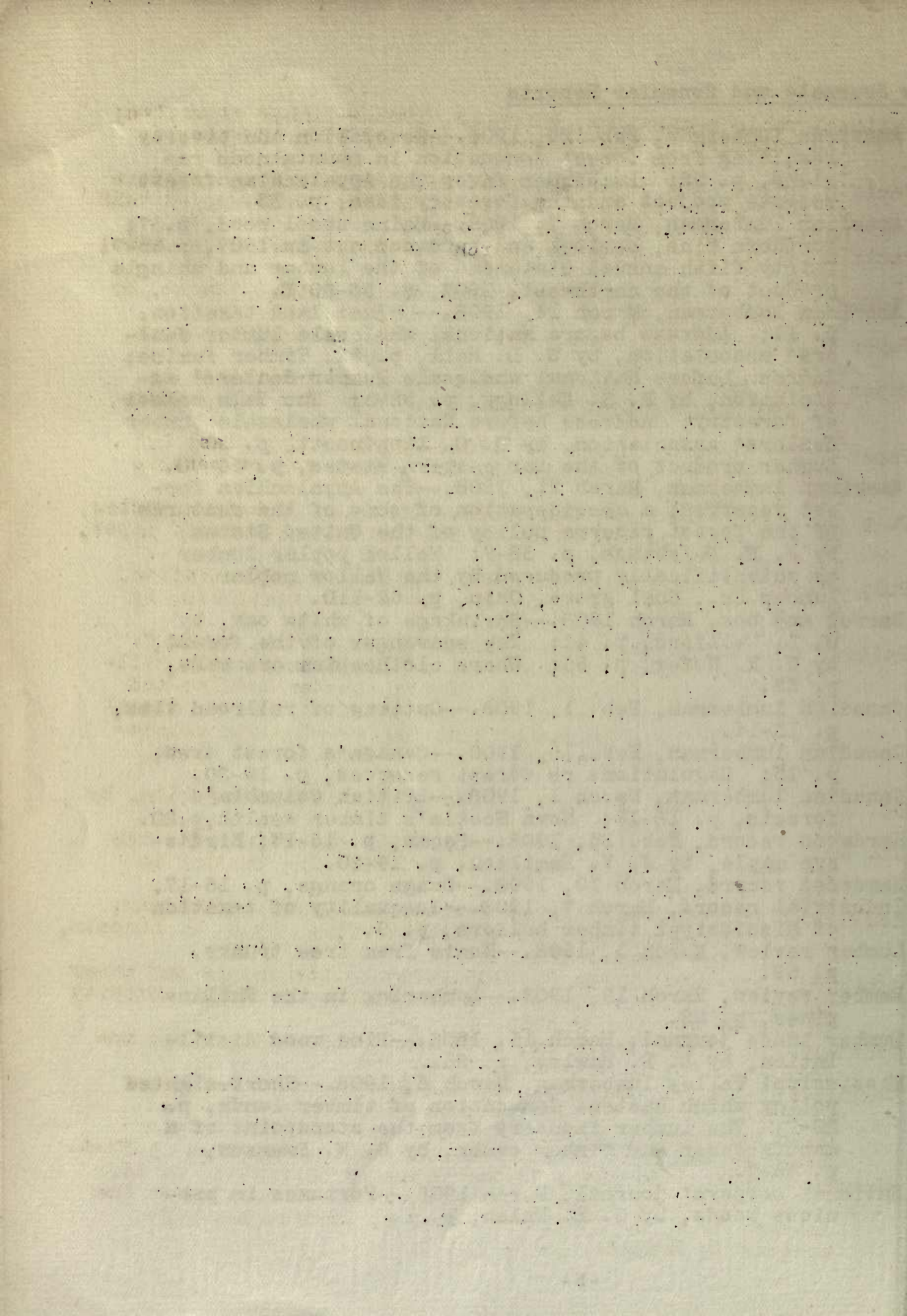
PERIODICALS

General

- Chautauquan, Feb. 1908.--Gifford Pinchot, p. 412-13.
- Garden magazine, April, 1908.--The types of the American elm, by C. C. Laney, p. 154-6.
- Government, Feb. 1908.--The national forests, by Frederick W. Ford, p. 313-25.
- Great west, Feb. 15, 1908.--Irrigation development in the Sacramento Valley, by O. H. Miller, p. 10-12.
- Harper's weekly, Feb. 22, 1908.--Wanted, an unfenced refuge for big game, by H. J. Case, p. 17.
- International studio, March, 1908.--Study of tree forms, p. 45-50.
- Journal of the Institution of electrical engineers, Aug. 1907.--Use of wooden poles for overhead power transmission, by C. Wade, p. 304-58.
- Maxwell's talisman, Feb. 1908.--Congress should create the White Mt. and Appalachian national forests, by Thos. E. Will, p. 15-16.
- New England magazine, Mar. 1908.--Is New England's wealth in danger? Our vanishing forests, by P. W. Ayres, p. 34-48.
- New idea woman's magazine, March 1908.--What we can do to preserve our forests, by Bristow Adams, p. 28-30.
- Outlook, March 7, 1908.--States and the timber supply, by G. S. Gardiner, p. 568.
- Outlook, March 21, 1908.--A new tree disease, p. 621-2.
- Science, March 20, 1908.--A drought-resistant hickory, by C. G. Bates, p. 473-4.
- Scientific American supplement, Jan. 18, 1908.--Dry rot in timber, its cause and prevention, p. 42-3.
- Scientific American supplement, Feb. 22, 1908.--Gums, resins and their properties, p. 114; Sand waves and their work, by D. A. Willey, p. 120-1.
- Scribner's magazine, March 1908.--Habitant in winter; life of the lumbermen, by B. Harrison, p. 283-90.
- Stone & Webster public service journal, March 1908.--Deforestation, p. 650-4.
- Torrey, Feb. 1908.--Some effects of frost in the southwest, by J. C. Blumer, p. 25-6; The white cedar in western Long Island, by E. P. Bicknell, p. 27-8.
- Transactions of the Illinois state horticultural society, 1907.--Forestry for Illinois, by T. J. Burrill, p. 62-82; The planting and care of trees and shrubs, by O. C. Simonds, p. 328-39; Tree planting, by J. R. Reasoner, p. 354-80.
- World to-day, March 1908.--Transporting a big tree, by J. Grundman, p. 310.

Trade Journals and Consular Reports

- American lumberman, Feb. 29, 1908.--Desolation and poverty resulting from forest denudation in mountainous regions, p. 32; Lumbermen favor the Appalachian forest reserve project and the forestry idea, p. 33.
- American lumberman, March 7, 1908.--Maine spool wood, p.37; Northern pine, hemlock and hardwood cut in 1907, p.55-7; Thirty-fifth annual statement of the lumber and shingle product of the northwest, 1907, p. 58-60 E.
- American lumberman, March 14, 1908.--Unjust land taxation, p. 14; Address before National wholesale lumber dealers' association, by W. L. Hall, p. 52; Timber famine; Address before National wholesale lumber dealers' association, by R. S. Kellogg, p. 52-3; The Yale school of forestry; Address before National wholesale lumber dealers' association, by R. C. Lippincott, p. 53; Lumber product of the far eastern states, p. 64-70.
- American lumberman, March 21, 1908.--The Appalachian forest reserves; a consideration of some of the features of the forest reserve policy of the United States, by J. E. Defebaugh, p. 36-7; Yellow poplar lumber as scientifically produced by the Yellow poplar lumber Co., Coal grove, Ohio, p. 62-110.
- Barrel and box, March 1908.--Shrinkage of white oak, by W. L. Wellford, p. 41; The scavenger of the forest, by W. F. Nufer, p. 56; Where clothespins are made, p. 62.
- Canadian lumberman, Feb. 1, 1908.--Cutting of railroad ties, p. 13-14.
- Canadian lumberman, Feb. 15, 1908.--Canada's forest area, p. 15; Regulations re forest reserves, p. 19-20.
- Canadian lumberman, March 1, 1908.--British Columbia's forests, p. 18-19; Nova Scotia's timber wealth, p.20.
- Hardwood record, Feb. 25, 1908.--Pecan, p. 16-17; Bird's-eye maple, by J. V. Hamilton, p. 19-20.
- Hardwood record, March 10, 1908.--Osage orange, p. 16-17.
- Industrial record, March 7, 1908.--Inequality of taxation of Mississippi timber holders, p. 9.
- Lumber review, March 1, 1908.--Boats from tree trunks, p. 59.
- Lumber review, March 15, 1908.--Lumbering in the Philippines, p. 22.
- Lumber trade journal, March 15, 1908.--Pine wood distillation, by L. F. Hawley, p. 23.
- Mississippi Valley lumberman, March 6, 1908.--Short-sighted policy which hastens denudation of timber lands, p. 20-1; The lumber industry from the standpoint of a manufacturer and timber owner, by G. H. Emerson, p. 36-7.
- National coopers' journal, March 1908.--Fortunes in precious woods, by G. E. Walsh, p. 1.

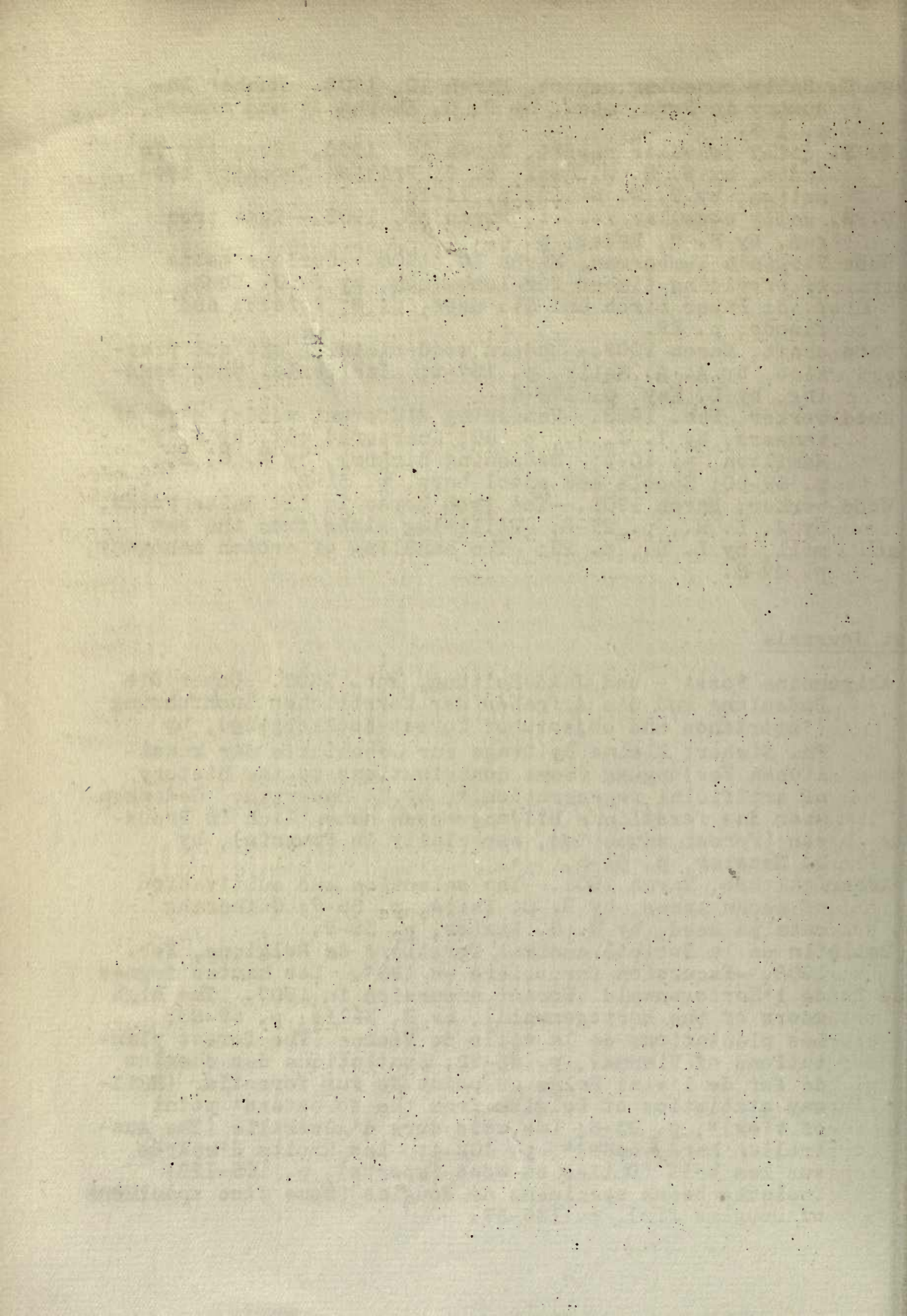


- ~~National vehicle magazine~~, March 15, 1908.--Timber situation; its relation to the vehicle trade, by F. E. Curtis, p. 17-18.
- Pacific builder and engineer, Feb. 29, 1908.--The manufacture of wood pipe, by C. M. Lewis, p. 82-85; Some wooden tank history, by B. C. Seydel, p. 85-6.
- Pacific builder and engineer, March 7, 1908.--Avenarius carbolineum, p. 96-7.
- Packages, March 1908.--Timber census of the United States, by R. S. Kellogg, p. 60-1.
- Paper mill, March 14, 1908.--Peat in paper making, by Argus, p. 14.
- Paper trade journal, Feb. 27, 1908.--Taxing timberlands as barren; Senator Cobb's bill in the New York legislature, p. 54.
- Paper trade journal, March 19, 1908.--Forests will last but twenty years, by Whipple, p. 6; A vast forest reserve for Canada, p. 34.
- Pulp and paper magazine, Jan. 1908.--What the lumberman wastes, by J. A. De Cew, p. 27-8; A Swedish maker on kraft paper, p. 29-30.
- Pulp and paper magazine, Feb. 1908.--Economic reforestation, by B. E. Fernow, p. 50-5; Norway's pulp resources, by F. S. S. Johnson, p. 56-7.
- Railway age, March 20, 1908.--Railway forest work, by R. C. Bryant, p. 382-4; Forest work of the Pennsylvania railroad, by E. A. Sterling, p. 384-5; Wooden bridges and trestles; abstract of report presented at the 9th annual meeting of the American railway engineering and maintenance of way association, Chicago, March 17-19, 1908, p. 414-19.
- St. Louis lumberman, March 1, 1908.--The moderate dry kiln, by C. Cloukey, p. 21.
- St. Louis lumberman, March 15, 1908.--The states and the timber supply, by G. S. Gardiner, p. 27; Tie testing in Texas, p. 30.
- Southern industrial and lumber review, Feb. 1908.--Mahogany, p. 33; How the forest ranger fights fire, by G. G. Lincoln, p. 63; The logwood tree, p. 66.
- Southern lumberman, March 7, 1908.--Tupelo for spools and other things, p. 20-21; Interests in Arkansas forests; activity in lumber circles, p. 28.
- Southern lumberman, March 14, 1908.--A problem of spring; how does sap rise in trees? p. 22-3.
- Southern lumberman, March 21, 1908.--Resins, gums and other products of the sap of trees, p. 20; More about new uses for tupelo, p. 21; Cypress gets the California award as the best substitute for oak in cooperage, p. 23-4.
- Timberman, Feb. 1908.--The lumber industry in Mexico, p. 24.
- U. S. daily consular report, March 3, 1908.--Lumbering on the Amazon, by C. C. Eberhardt, p. 1-3; Turned woodware opening in England, p. 7.

- U. S. daily consular report, March 10, 1908.--Rubber industry in Peru, etc., by C. C. Eberhardt and others, p. 1-3.
- U. S. daily consular report, March 16, 1908.--Forestry in India, by W. H. Michael, p. 9; British forestry promotion, by F. W. Mahin, p. 14-15.
- U. S. daily consular report, March 18, 1908.--Tuna tree gum, by F. M. Ryder, p. 6.
- West Virginia lumberman, March 10, 1908.--Curious means of providing timber for lumbermen, by F. J. Koch, p. 3; Paper birch and its uses, p. 8; Forests and floods, p. 29.
- Wood craft, March 1908.--Modern wood-staining art and practice, by A. A. Kelly, p. 157-9; Incidental wood bending, by L. Kay, p. 172-4.
- Wood-worker, Feb. 1908.--Veneering different woods; care of veneers, by T. J. G., p. 40; Quartered oak, by J. V. Hamilton, p. 40-3; Seasoning hickory, by W. O. S., p. 49-50; Spools and spool bars, p. 51-2.
- Wood-worker, March 1908.--The iron horse in the Maine woods, by J. L. H., p. 27-8; Utilizing slabs from the saw mill, by L. H., p. 29; The handling of crotch mahogany, p. 37-8.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, Feb. 1908.--Ueber die Bedeutung und die Aufgaben der forstlichen Buchfuhrung (Importance and objects of forest-bookkeeping), by Ph. Sieber; Kleine Beiträge zur Geschichte der künstlichen Verjüngung (Some contributions to the history of artificial regeneration)*, by H. Hausrath; Gedanken über das forstliche Bildungswesen namentlich in Preussen (Forest education, especially in Prussia), by W. Kessler, p. 61-5.
- Arboriculture, March 1908.--The selection and cultivation of pecan trees, by H. C. White, p. 36-7; Gathering catalpa seed, by W. G. Baxter, p. 38-9.
- Bulletin de la Société central forstière de Belgique, Feb. 1908.--Excursion forestière en 1907. Les hautes fagnes de l'Hertogenwald (Forest excursion in 1907. The high moors of the Hertogenwald), by E. Nélis, p. 69-83; Les plantations de la ville de Vienne (The forest plantations of Vienna), p. 83-92; Statistique des chemins de fer de l'état Belge au point de vue forestier (Railway statistics of Belgium from the foresters' point of view)*, p. 93-6; Les bois durs d'Australie (The Australian hard-woods)*, p. 102-4; Les droits d'entrée sur les bois (Duties on wood-imports), p. 105-128; Quelques beaux specimens de douglas (Some fine specimens of Douglas fir), p. 136-37.



- Canadian forestry journal, Dec. 1907.--The education of foresters, by B. E. Fernow, p. 143-51; Description of forestry courses at the University of Toronto, p. 151-3; The nettle-tree, *Celtis occidentalis*, p. 156; Ontario's progress toward a rational forestry system, by T. Southworth, p. 157-63; Planting a forest of evergreens, by A. Knechtel, p. 165-9; Forestry conditions in the arid regions of the United States, by W. N. Hutt, p. 171-4; Conservative lumbering in New Brunswick, p. 175-7.
- Centralblatt für das gesamte Forstwesen, Feb. 1908.--Versuche mit verschiedenen Arten von Fangbäumen zur Bekämpfung der Borkenkäfer (Experiments with different kinds of trap-trees for combating the bark beetle)*, by Walter Sedlacek, p. 45-73.
- Forest and irrigation, March 1908.--Constitutionality of the Appalachian bill, by H. N. Shepard, p. 139-42; The president's annual address before the American forestry association, by James Wilson, p. 143-47; Improvement of our heritage, by G. Pinchot, p. 148-52; Annual meeting of the American forestry association, by Mrs. L. A. Williams, p. 153-62; The propriety and need of federal action, by Hoke Smith, p. 163-5; Christmas in Sierra North, by H. S. Shinn, p. 166-9.
- Forstwissenschaftliches Centralblatt, Feb. 1908.--Forstliche Ausbildung und Verwaltungsreform in Preussen (Forest instruction and reform in forest administration)*, by Merten, p. 76-85; Waldarbeiter-Mangel und Löhne (Dearth of forest-laborers and the question of wages), by Ph. Sieber, p. 85-89; Die VIII. Hauptversammlung des deutschen Forstvereines, Strassburg, Sept. 1907 (8th congress of the German forest association, Strassburg, Sept. 1907), p. 89-105; Neue Baum-schulwerkzeuge (New transplanting implements)*, by R. Hacker & Niblagger, p. 105-114.
- Minnesota forester, Feb. 1908.--Plan of reforestation recommended by the forestry commissioner of Minnesota, p. 17-18; Money value of windbreaks, p. 19-20.
- Revue des Eaux et Forêts, Feb. 1, 1908.--La sylviculture en France et en Angleterre (Silviculture in France and England), by Ch. Hancock, p. 65-70; L'arboretum de l'Ecole nationale des eaux et forêts (Arboretum of the National school of the Dept. of water and forests), by A. Jolyet, p. 70-79; L'utilisation du chêne-zéen (Utilization of *Quercus mirbeckii* in Algeria)*, p. 90-93.
- Revue des Eaux et Forêts, Feb. 15, 1908.--La montagne industrielle et forestière (The mountains, industrial and forestal), by Ph. Bauby, p. 97-102; Simplification du levé des plans (Simplification of surveying), by M. Vanlot, p. 118-19; L'exposition internationale de Nancy en 1909 (International exposition, Nancy, 1909), p. 122-23.
- Revue forestière de France, Feb. 1908.--Les realisations de forêts et l'intérêt privé (Returns from forests and interest of private owners in forestry), by A. Gazin, p. 1-2; La deforestation française par les compagnies allemandes

(Deforestation of French forests by German corporations), p. 2-4; Une loi de salut public (A law effecting the public welfare)*, p. 4; Notre enquête sur les inondations (Inquiry on inundations), p. 4-5; La saison favorable pour l'abattage des arbres (The most favorable season for felling trees), p. 15; Destruction de gui (Destroying the mistletoe), p. 13.

Schweizerische Zeitschrift für Forstwesen, Feb. 1908;--Waldbestände auf vormaligen Acker-und Ödfeldern (Forests on former agricultural and waste land), p. 37-43; Eine bleichsüchtige Fichte (A pale-colored variety of spruce, *Picea excelsa* var. *versicolor*), by H. Schmuziger, p. 43-46; Ein gefährlicher Feind der einjährigen Fichtensaat (A dangerous enemy of one-year old spruce seedlings)*, by Herzig, p. 55-56; Die Lawinen im Walde Patschi-Clysot du Gemeinde Remüs, vom 19/20 März 1907. (The avalanches in the Patschi-Clysot forest of the Remüs district, Engadine, March 19/20, 1907), by F. Enderlin, p. 56-58.

Zeitschrift für Forst und Jagdwesen, Jan. 1908.--Zur zeitgemässen Betriebsregelung (Modern methods of forest organization), by D. Weise, p. 2-7; Waldbeschädigung durch Rauch; Fichte und Tanne (Injury to spruce and fir forests by smoke), by C. Ramann, p. 32-35; Der Frass und die Bekämpfung von *Gastropacha pini* im Lehrrevier Freienwalde (Damage done by *Gastropacha pini* and methods of combating it), by W. Boden, p. 35-42; Über Borkenkäfer (Bark beetles), by E. Knoche, p. 43-46; Professor Dietrich Brandis, by O. Kaufmann, p. 46-49; Anwendung der farbigen Lichtbilder nach dem Verfahren vom Lumière zur Darstellung der Ergebnisse waldbaulicher Versuche (Use of colored photographs by the Lumière process in silvicultural experiments), by M. Kienitz, p. 53.

Zeitschrift für Forst und Jagdwesen, Feb. 1908.--Die Verwaltung der Domänen durch die Forstbehörden im Grossherzogtum Hessen (Administration of forest domains in the Grand Duchy of Hesse)*, by Eberts, p. 107-114; Statistische Mitteilungen über die Erträge deutscher Waldungen im Wirtschaftsjahre 1905 (Statistics of yield from German forests for the fiscal year 1905), p. 114-121.

Abstracts of articles marked with a * are on file in the library.

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Walter Mulford

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FOREST BOTANY

Liste des principaux arbres et arbrisseaux indigènes ou naturalisés de la province de Québec (List of the principal indigenous or naturalized trees and shrubs in the province of Quebec); G. C. Piché. 1907. 8 p. Montreal.

A preliminary check list of the principal commercial timbers of the Philippine Islands; E. N. Whitford. 1907. 45 p. Bulletin 7 of the Bureau of Forestry, Manila, P. I.

SILVICS

Stream Flow

La dégradation des Pyrénées et l'influence de la forêt sur le régime des cours d'eau (The erosion of the Pyrenees, and the influence of forests on stream flow); C. Rabot. 1907. 8 p. From La Géographie, Paris.

The relation of the southern Appalachian Mts. to the development of water power; M. O. Leighton and others. 1908. 54 p. Circular 144 of the Forest Service.

EDUCATIONAL

Classified list of publications available for distribution April 10, 1908; Forest service. 4 p.

Colorado school of forestry. Prospectus, 1908. 32 p. Illus. Colorado Springs, Colo.

University of Minnesota-Summer school of forestry. Bulletin, Jan. 15, 1908. 16 p. Illus. Minneapolis, Minn.

Arbor-day

New York-Education dept. Arbor day annual for Friday,
May 8, 1908. 32 p. illus. Albany, N. Y.

FOREST MANAGEMENT

Forestry suggestions; W. J. Green and E. Secrest. 1908.
22 p. illus. Bulletin 189 of the Ohio agricultural
experiment station, Wooster, O.
Woodlot forestry for Maryland farmers; F. W. Besley. 7 p.
Forestry leaflet no. 5 of the Maryland state board of
forestry, Baltimore, Md.

Lumbering

The curiosity shop or questions and answers concerning the
lumber business, a compilation of inquiries to the
editor of the American lumberman and answers thereto.
1906. 529 p. illus. American lumberman, Chicago.
Marketing the forest crop; F. W. Besley. 5 p. Forestry
leaflet no. 6 of the Maryland state board of forestry,
Baltimore, Md.

Planting

Forest planting; J. B. Mowry. 4 p. Leaflet no. 2 of the
Commissioner of forestry, Providence, R. I.
Forest planting on the northern prairies; J. M. Fetherolf.
1908. 28 p. Circular 145 of the Forest service.

Organization & Administration

Connecticut-State forester. Annual report for 1907. 1908.
55 p. illus. Part 4 of report of Connecticut agri-
cultural experiment station, New Haven.
Field program for April, 1908; Forest service. 29 p.
First report on forest conditions in Ohio; W. J. Green.
1907. 15 p. Bulletin 188 of the Ohio agricultural
experiment station, Wooster, O.
India-Andaman Island-Forest dept. Progress report of forest
administration for 1906-7. 32 p. Calcutta, India.
India-Madras presidency-Forest dept. Annual administration
report, 1906-1907. 174 p. Madras, India.
Instructions to forest wardens; F. W. Besley. 3 p. For-
estry leaflet no. 4 of the Maryland state board of
forestry, Baltimore, Md.

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New York Forestry Dept. Arbor day annual for 1908.
May 8, 1908. 32 p. Illinois. Albany, N. Y.

MANAGEMENT

Forestry suggestions; W. J. Green and E. S. Green. 1908.
32 p. Illinois. Bulletin 188 of the Ohio Agricultural
Experiment Station, Wooster, O.
Model forestry for Maryland farmers; F. W. Bailey. 7 p.
Forestry Journal no. 2 of the Maryland State Board of Forestry.
Forestry, Baltimore, Md.

FOREST

The forestry shop or questions and answers concerning the
lumber business, a compilation of inquiries to the
editor of the American Forester and answers thereto.
1908. 32 p. Illinois. American Forester, Chicago.
Marketing the forest crop; F. W. Bailey. 3 p. Forestry
Journal no. 2 of the Maryland State Board of Forestry.
Baltimore, Md.

FOREST

Forest planning; J. B. Howey. 4 p. Bulletin no. 2 of the
Commissioner of Forestry, Providence, R. I.
Forest planning on the northern frontier; J. M. Fetherolf.
1908. 32 p. Circular 145 of the Forest Service.

FOREST & WILDLIFE

Connecticut State Forester. Annual report for 1907. 1908.
32 p. Illinois. Part 4 of report of Connecticut and
Illinois. New Haven.
Wild program for April, 1908; Forest Service. 32 p.
First report on forest conditions in Ohio; W. J. Green.
1907. 15 p. Bulletin 188 of the Ohio Agricultural
Experiment Station, Wooster, O.
Indian-Indian land-forest dept. Progress report of forest
administration for 1908-V. 32 p. Calcutta, India.
India-Indian question-forest dept. Annual administration
report, 1908-1909. 12 p. Madras, India.
Forestry for forest workers; F. W. Bailey. 3 p. For-
estry Journal no. 2 of the Maryland State Board of
Forestry, Baltimore, Md.

Rhode Island-Commissioner of forestry. 2d annual report for 1907. 1908. 15 p. Illus. Providence, R. I.

National & State Forests

New Jersey-Forest park reservation commission. Third annual report, 1907. 1908. 134 p. Illus. Trenton, N.J.

UTILIZATION

An account of an enquiry with regard to the candle-nut tree, *Aleurites moluccana*, in India; R. Abbey-Yates. 1908. 9 p. No. 4, 1907, of the Agricultural ledger, Calcutta.

Year book of the Rubber planters' association of Mexico, 1907-1908. 45 p. Mexico.

TREET AND PARK TREES

Evergreens, their uses and culture; W. J. Green and W. E. Bontrager. 1908. 26 p. Illus. Bulletin 190 of the Ohio agricultural experiment station, Wooster, O.

FOREST ENEMIES

Insects

The gipsy and brown tail moths in New Hampshire; E. D. Sanderson. 1908. 60 p. Illus. Bulletin 136 of the New Hampshire agricultural experiment station, Durham, N. H.

On some Assam sal (*Shorea robusta*) insect pests; E. P. Stehling. 1907. 66 p. Illus. Forest bulletin no. 11 of the Indian forest department, Calcutta.

Diseases of Trees

A pine disease, *Diplodia pinea*. 1907. 4 p. Illus. Leaflet no. 199 of the Board of agriculture and fisheries, London.

PERIODICALS

General

Agricultural journal of Cape of Good Hope, Feb. 1908.--Cape fibres and their possibilities for paper making, p. 208-12.

American cultivator, March 28, 1908.--Wooden collar buttons, p. 6-7.

Century magazine, May, 1908.--The White House conference on our national resources; the need of a radical policy in forestry, p. 155-6.

Country life in America, April, 1908.--The hardy broad-leaved evergreens, by W. Miller, p. 605-8; How to prevent forest fires, by E. K. Parkinson, p. 664,666,668.

Everybody's magazine, May, 1908.--The slaughter of the trees, by Emerson Hough, p. 579-92.

Garden magazine, May, 1908.--The best broad-leaved evergreen tree, by P. J. Berckmans, p. 217-19.

Great west, March 4, 1908.--Argentine Republic to protect forests, p. 12.

Harper's weekly, March 28, 1908.--The vanishing forests of America, by Roland Phillips, p. 10-12.

Ladies' home journal, April, 1908.--What shade trees to plant, and how, by W. Solotaroff, p. 45.

Orchard and farm, April, 1908.--Eucalyptus future timber for producers in this state, by B. L. Sawtelle, p.5-6.

Outlook, March 28, 1908.--The preservation of forests in British Columbia, p. 671-2.

Overland, April, 1908.--Insect enemies of the Monterey pines, by R. W. Doane, p. 360-6.

Pacific monthly, March, 1908.--Logging scenes in California redwoods; a series of photographs.

Putnam's, April, 1908.--Rivers and the conservation movements, by J. H. Quick, p. 3-15.

Review of reviews, April, 1908.--Natural forests in the Appalachians, by T. E. Will, p. 450-5.

Science, March 27, 1908.--Trees and lightning, p. 513.

Tropical agriculturist, Feb. 1908.--A new rubber tree, palo amarillo, by O. Stapf, p. 109-10.

Trade Journals and Consular Reports

American lumberman, March 28, 1908.--Lumber statistics of the Carolinas and Virginia, 1907, p. 40-3; The Appalachian forest reserves; a consideration of some features of the forest reserve policy of the United States, by G. H. Maxwell, p. 50; Paper birch in Maine, p. 59.

American lumberman, April 4, 1908.--Arkansas stave oak figures in lumber product, p. 35; Lumber and timber in Asia Minor, p. 40; Yellow pine, cypress and hardwood statistics of the south and southwest, 1907, p. 53-66.

American lumberman, April 11, 1908.--Teakwood growth and lumbering in Siam, p. 33; Peculiarities of the manufacture of baseball bats, p. 34.

American lumberman, April 18, 1908.--Forest preservation and the lumberman's share in it, p. 38-9.

Architects' and builders' journal, March, 1908.--Regarding wood bending, by M. L. Kay, p. 2; Paris burns up forests; 125,000 acres cut yearly for heating rooms alone, p. 4; Technical school in forest; how wood carving is taught in Austria, p. 48.

Barrel and box, April, 1908.--Making a hickory handle, by C. Klauber, p. 50-1.

Canada lumberman, April 1, 1908.--Log and piling rafts, p. 18.

Canada lumberman, April 15, 1908.--Conservative lumbering methods, by R. R. Bradley, p. 21.

Carriage monthly, April, 1908.--Carriage timber and wheel building, p. 8.

Engineering news, Feb. 20, 1908.--Treating wood that is refractory to treatment and also subject to decay, by David Alberton, p. 182.

Engineering record, Feb. 8, 1908.--The wood preservers' association, p. 143.

Engineering record, Feb. 15, 1908.--Timber pile protection in San Diego Bay, p. 174.

Hardwood record, March 25, 1908.--Ailanthus or tree of Heaven, p. 16-17; Hardwoods used in piano making, p. 18-20; Wood transformation, p. 21-2; Hardwood forms, p. 23.

Hardwood record, April 10, 1908.--Bitternut hickory, p. 16-17; Hardwoods used in billiard hall fixtures, p. 22-3; The making of a hickory handle, by C. Klauber, p. 24-5.

Lumber review, April 15, 1908.--Hardwood floors, by R., p. 22; The taxation of timberlands, p. 11-12.

Mississippi Valley lumberman, April 17, 1908.--Canadian methods in administering forests, p. 24; The lumberman and the assessor, p. 24.

New York lumber trade journal, April 1, 1908.--Massachusetts dealers hold big forestry meeting, p. 18; Chemically treated gum; a new patent process to prevent warping and staining, p. 18.

Packages, April, 1908.--Wood vulcanizing; a new method for seasoning and preserving gum, punky pine, etc., p. 64.

Railway age, April 17, 1908.--Wood creosoting practice, by J. C. Williams, p. 570.

Southern industrial and lumber review, March, 1908.--Lumbering in Paraguay, p. 57; The treatment of woodwork, by G. F. Wash, p. 63-4.

Southern lumber journal, March 15, 1908.--The forests of Japan, p. 37.

Southern lumberman, March 28, 1908.--Possibilities of mesquit for turned work, p. 19-2; First forestry system in the United States dates back to 1799 when live oak timber was reserved for shipbuilding, p. 46.

Southern lumberman, April 4, 1908.--Urge wood paving in Philadelphia, p. 31.

Southern lumberman, April 18, 1908.--Proper piling and drying of gum, p. 19-20.

Timber news, March 21, 1908.--Sycamore, p. 21.

- Timber trade journal, March 21, 1908.--The export wood trade of Finland, p. 595-616; The Nigerian mahogany industry, p. 617; Motor traction for the timber trade, p. 631-6.
- Timberman, March, 1908.--Austrian hardwood for ties, p. 20.
- Timberman, April, 1908.--Lumber camps of West Africa, p. 20-1; Origin of the ocean-going raft, p. 25; Unjust taxation of timber lands, by H. D. Langille, p. 42-3.
- U. S. daily consular report, March 25, 1908.--Nicaraguan fiber concession; valuable bark of Central American tree and its uses, by F. M. Ryder, p. 14.
- U. S. daily consular report, March 28, 1908.--Rubber industry in China, by W. T. Gracey, p. 9-10; Rubber industry in the Kongo Free State, by James A. Smith, p. 10-12.
- U. S. daily consular report, April 10, 1908.--Mountain dams in Bohemia, by C. B. Harris, p. 11.
- U. S. daily consular report, April 13, 1908.--Reforestation in Korea, by T. Sammons, p. 8.
- U. S. daily consular report, April 18, 1908.--Brazilian copal; how it is collected, by G. E. Anderson, p. 8.
- West Coast lumberman, March, 1908.--The lumber industry from the standpoint of a manufacturer and timber owner, by G. H. Emerson, p. 416-17.
- West Virginia lumberman, March 25, 1908.--Cypress the best material for tight cooperage, by H. von Schrenk, p. 3,8; Matches by the billion; forests the world over searched for the right kind of wood for their making, p. 17; Forest preservation and navigation, p. 23.
- West Virginia lumberman, April 10, 1908.--Fine furniture veneered, p. 29; The little wooden barrel, p. 30.
- Wood craft, April, 1908.--The fire-proofing of wood, by V. B. Lewis, p. 20-1.
- Wood-worker, April, 1908.--Crotch mahogany veneers, by E. De Groot, p. 36-7; The thickness of veneers, by G. W. B., p. 37-8.
- Woodworkers' review, March, 1908.--The giant log rafts of the Pacific coast, by W. Fawcett, p. 77-82; Traction engine in lumbering, by W. Fawcett, p. 113-15.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, March, 1908.--Durchforstung (Thinning), by Rathschlag, p. 87-89.
- Bulletin de la Société central forstière de Belgique, March, 1908.--A propos des arbres et de la foudre, by Paul Drumaux, p. 169-123; La culture du chêne dans la forêt de Bramwald (Culture of the oak in the Bramwald forest)*, by G. Queritet, p. 123; Commerce d'importation et d'exportation des bois en 1906 (Timber exports and imports in 1906)*, p. 187-195; Du boisement des landes communales dans les Pays-Bas (Afforestation in the Netherlands)*, p. 195-201; Traverses de chemins de fer en pin maritime

(Railway ties of maritime pine)*, p. 201-204; La protection de nos arbres et de nos forêts (Protection of our trees and forests)*, p. 204-11; Le pin noir dans les schistes famenniens (The Austrian pine in the schist soils of Famenne), p. 220-22; La pâte de bois au Canada (Wood pulp in Canada)*, p. 225.

Bulletin trimestriel de la Société forestière de Franche-Comté et Belfort, March, 1908.--Des essences pour reboisements (Species suitable for reforestation)*, p. 408-13; La Soumission volontaire au régime forestier (Voluntary acceptance of government administration by private forest owners), by E. Desjobert, p. 413-18; Sur les soumissions facultatives au régime forestier (Optional acceptance of government administration by private forest owners), by de C. Kirwan, p. 418-21; Le prix des chênes dans la forêt du Spessart, Bavière (Price of oaks in the Spessart forests, Bavaria), by G. Huffel, p. 422-23; Conversions en futaie (Conversion into high-forest)*, by Louis Viellard, p. 423-30; Naturalisation des essences exotiques (Naturalization of exotic species)*, p. 441-43; La forêt vierge et la culte pour l'arbre (The virgin forest and tree worship)*, p. 443-46; Le pin noir d'Autriche peut-il être gemmé en France (Can the black Austrian pine be tapped in France), by H. de Lamage, p. 446-48; Une excursion dans la vallée du Veneon (An excursion to the valley of the Veneon)*, by V. Hulin, p. 449-53; Quelques observations sur le rendement de l'épicéa (Some observations on the yield of a spruce forest), by L. Germain, p. 453-57; L'affouage communal (Municipal rights to firewood), p. 457-458; Abatage mécanique du taillis (Felling coppice timber by machinery), p. 477-78.

Centralblatt für das gesamte Forstwesen, March, 1908.--Kritische Betrachtungen über Theorie und Praxis der Bodenreinertragslehre (Criticisms on the theory and practice of the soil-rent idea), by A. Schiffel, p. 93-118; Die weibliche Pyramidenpoppel, *Populus pyramidalis* (The pistillate pyramid or Lombardy poplar)*, by E. Zederbauer, p. 118-21.

Forest leaves, April, 1908.--Forestry on the Girard estate, by H. P. Baker, p. 118-19; Sweet gum, by J. T. Rothrock, p. 120; Unjust land taxation, by G. E. Ames, p. 124-6.

Forest and irrigation, April, 1908.--The names of mahogany, by John Gifford, p. 196-8; Arbor day; the American spring festival, by Wm. C. Lee, p. 201-6; Shall Uncle Sam drain the swamps?, p. 207-9; Tree planting in school yards, by L. K. Miller, p. 210-11; California irrigation needs forests, by L. E. Aubury, p. 212-14; Canadian forestry association meeting, p. 215-16; Protection for American industry, by A. F. Lever, p. 217-20; The wholesale lumber

dealers' convention, by L. A. Williams, p. 221-3; Study of forest taxation, p. 224-5; Government harvests basket willows, p. 226.

Forstwissenschaftliches Centralblatt, March, 1908.--"Über Borkenkäferbiologie und Borkenkäfervertilgung (Biology of the bark-beetle and its gradual disappearance)*, by E. Knoche, p. 141-53.

Indian forest records, Jan. 1908.--A note on the lac insect (*Tachardia lacca*), its life history, propagation and collection, by E. P. Stebbing, p. 1-84.

Indian forester, Jan. 1908.--Forests and water-supply, p.1-3; Camphor, p. 4-10; The effect of the moon's phases on the period of felling bamboos, by A. M. Smith, p.10-15; Regeneration in the forests of the Godhra Range, Panch Mahals, after the drought of 1899-1900, by A. K. Desai, p. 15-17; Notes on sandal; loss in weight of sandal wood by seasoning, by M. R. Rao, p. 17-21; The lineage of British trees, p. 46-52; Beech forests of Buckinghamshire, by J. Simpson, p. 52-6; Synthetic camphor; future of the natural product, p. 63-5.

Indian forester, Feb. 1908.--Forests and rainfall, by E. Henry, p. 69-81; The pruning of large trees, p. 115-17; Afforestation at Interliever, by J. Nisbet, p. 118-23.

Minnesota forester, March, 1908.--Attitude of lumbermen toward forestry, by J. E. Rhodes, p. 27-9; Norway poplar, p.33-4; Sheep and goats on our brush lands, p. 31; Destruction of chestnut forests, p. 31-2; Michigan woodlots, p. 32-3; Growing post timber, by J. T. S., p. 34-5.

Oregon forester, March, 1908.--The taxation of forest lands, p. 1-7; Constitution and by-laws, p. 13-16.

Quarterly journal of forestry, April, 1908.--Notes on some Irish woodlands, by W. R. Fisher, p. 91-102; The planting of sand dunes at Holkham, by D. Monro, p. 103-8; Hainault forest, by A. P. Grenfell, p. 109-13; Conversion of ash underwood into high wood from stool or stem shoots, by W. R. Brown, p. 113-15; Notes on the forestry exhibition at the Lincoln show of the Royal agricultural society of England, p. 116-23.

Revue des eaux et forêts, March, 1908.--Les chênes du Spessart (The oaks of the Spessart forest), by G. Huffer, p. 129-132; La question forestière en France (Forest problems in France), by L. Pardé, p. 156-158; Les départements des grands maîtres avant la révolution (The départements of grand masters before the revolution)*, by A. Melard, p. 161-175; La fabrication des crayons (Manufacture of lead pencils), p. 189-91; Le bois de Mara (The wood of the Mara tree), p. 190-191.

Revue des eaux et forêts, April 1, 1908.--Invasions d'insectes et de cryptogames (Invasions of insects and of cryptogams)*, by Louis Viardin, p. 193-95; Choses forestières d'Italie (Forestry in Italy), by Pierre Buffault, p. 196-215.

Schweizerische Zeitschrift für Forstwesen, March, 1908.--Gewinnung von Fichtensamen (Extracting spruce seed), by C. Angwerd, p. 90-91; Schönmaad-Lawine in Schwanden, Kanton Glarus (The avalanche of the Schönmaad at Schwanden), by W. Oertli, p. 91-93; Eine Invasion des grossen Schwammspinner (Invasion of the large gipsy moth)*, by A. Barbey, p. 93-94.

Southern woodlands, Feb. 1908.--Report on a preliminary examination of the woodlands belonging to the agricultural and mechanical high school, Carrollton, Ga., by J. S. Holmes, p. 7-10; The proposed Appalachian national forest, by M. H. Cone, p. 11-15; The University of Georgia school of forestry, p. 33-9.

Tharander forstliches Jahrbuch.--Mitteilungen über die Ergebnisse der Königl. Sächs. Staatsforstverwaltung im Jahre 1906 (Results of state forest administration in Saxony in 1906), p. 129-134; Über die Grundlagen technischer und gesetzlicher Massnahmen gegen Rauchschaden (Main features of technical and legal regulations against injuries from smoke), by H. Wislicenus, p. 135; Die Rauchquellen im Königreiche Sachsen und ihre Einfluss auf die Forstwirtschaft (Sources of smoke in Saxony and its influence on forest management), by E. Schröter, p. 211-430; Gesetze, Verordnungen und Dienstsanweisungen (Forest regulations, ordinances and service rules), by Flemming, p. 431-509; Versuche über die Kiefernscütte (Experiments on the Scütte disease of pines), by Berger, p. 510-12.

Zeitschrift für Forst und Jagdwesen, March, 1908.--Das Wachstum von Kiefern aus einheimischen und nordischem Saatgut in der Oberforsterei Eberswalde (Growth of pines from native and northern seed in the forest district of Eberswalde)*, by Dengser, p. 137-160; Der angebliche Widerstreit zwischen den Lehren des Waldbaues und der Bodenreinertrags-theorie (The apparent discrepancy between the theories of silviculture and the soil-rent theory)*, by Schüpfer, p. 168-173; Forstliches aus den deutschen Kolonien (Forestry in the German colonies), by Bergmann, p. 176-184; 33. Versammlung des Markischen Forstvereins vom 26. bis 28. Mai, 1907 in Stendal (33d congress of the Mark forest association, May 26-28 in Stendal), by Joping, p. 185-188.

Abstracts of articles marked with a * are on file in the library.

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CURRENT LITERATURE FOR MAY

1908

Compiled by the Librarian of the Forest Service.

FORESTRY-GENERAL

- The conservation of natural resources; G. Pinchot. 1908. 12 p. Farmers' bulletin 327 of the U. S. Dept. of agriculture.
- Forestry and irrigation considered by the Union league club of Chicago, April 14, 1908. 8 p. American lumberman, Chicago.
- Forestry, water storage, power and navigation; E. R. Taylor. 1908. 10 p. Illus. Albany, N. Y.
- Saving the forests and streams of the United States; T. E. Will. 1908. 17 p. Illus. Franklin Institute, Phila.

MANUALS OF FORESTRY

- Neudammer Försterlehrbuch, und Repetitorium (Neudamm text book of forestry, and key); A. Schwappach. Ed. 3, 1908. Illus. J. Neumann, Neudamm.

FORESTRY BOTANY

- Arbres et forêts de la Suisse (Trees and forests of Switzerland). Series 1, 1908. 23 p. Illus. Inspection fédérale des forêts, Berne.
- El gomero de mana (Eucalyptus viminalis); F. Albert. 1907. 34 p. Illus. Impr. Cervantes, Santiago de Chile.

SILVICS

- Pflanzenphysiologische Studien im Walde (Studies of plant physiology in the forest); M. Wagner. 1907. 177 p. Illus. P. Parey, Berlin.

FOREST MANAGEMENT

Organization & Administration

- Annuaire des eaux et forêts pour 1908 (Year book of the French water and forests department for 1908). 369 p. L. Laveur, Paris.
- Field program for May, 1908; Forest service, 23 p.
- India-Ajmer-Merwara-Forest department. Annual report on forest administration for 1906-1907. 40 p. Ajmer, India.
- India-Forest department. Review of forest administration in British India for the year 1905-1906. 1907. 58 p. Calcutta.
- Etat des agents forestiers suisses (List of Swiss foresters). 1908. 21 p. Inspectorat fédéral des forêts, Berne.
- Rapport du Département fédéral de l'intérieur sur la gestion en 1907; forêts, chasse et pêche. (Report of the Swiss federal interior department for 1907; forestry, hunting and fishing). 26 p. Berne.

National & State Forests

- Address to the legislature of the state of New York; J. S. Whipple. 1908. 19 p. Forest, fish and game commission, Albany, N. Y.
- Location, date of latest proclamation, and area of the national forests in the United States, Alaska and Porto Rico, May 1, 1908. 4 p. Forest service.

UTILIZATION

- Practical results in basket willow culture; C. D. Mell. 1908. 7 p. Circular 148 of the Forest Service.

Wood preservation

- Experiments with railway cross-ties; H. B. Eastman. 1908. 22 p. Illus. Circular 146 of the Forest service.
- Progress in chestnut pole preservation; H. F. Weiss. 1908. 14 p. Circular 147 of the Forest service.

WOOD TECHNOLOGY

- Structural timber; W. K. Hatt. 1908. 28 p.

Organization & Administration

Forestry in the United States at present (Year book of the
Forest Service and Forestry Department for 1908).
500 p. J. Laverne, Paris.
Field program for May, 1908; Forest Service, 22 p.
India - Forest Department. Annual report of
the Forest Administration for 1907-1908. 40 p. Allahabad.
India.
India - Forest Department. Review of forest administration
in British India for the year 1905-1906. 1907.
22 p. Calcutta.
India - Forest Department. List of British forests
and forest reserves in India. 1908. 81 p. Inspector General of Forests,
Bombay.
India - Forest Department. List of British forests
and forest reserves in India. 1907. 81 p. Inspector General of Forests,
Bombay.
The Forest Administration in India. 1907. 80 p. Bombay.
Forest, hunting and fishing. 80 p. Bombay.

National & State Forestry

Address by the Legislature of the State of New York, 1908.
Whipple, 1908. 10 p. Forest, fish and game commis-
sion, Albany, N. Y.
Forestry, State of latest proclamation, and area of the na-
tional forests in the United States, Alaska and Porto
Rico, May 1, 1908. 4 p. Forest Service.

Forestry

Forestry results in forest willow culture, C. D. Hall,
1908. 7 p. Circular 146 of the Forest Service.

Forest Preservation

Experiments with various species of trees, H. B. Hartman, 1908.
22 p. Illinois. Circular 146 of the Forest Service.
Experiments in chestnut bark preservation, H. B. Hartman, 1908.
22 p. Circular 146 of the Forest Service.

Forestry

Forestry in the United States, W. K. East, 1908. 22 p.

STATISTICS

Forest products of the United States, 1906. 1908. 99 p.
Bulletin 77 of the Forest service.

PROCEEDINGS OF ASSOCIATIONS

National wholesale lumber dealers' association. Report
of the 16th annual meeting held at Washington, D. C.,
March 4th and 5th, 1908. 78 p. Illus. 66 Broad-
way, N. Y.

FOREST ENEMIES

Diseases of trees

The treatment of damping off in coniferous seedlings; P.
Spaulding. 1908. 8 p. Circular 4 of the Bureau
of plant industry, U. S. Dept. of agriculture.

Beasts of Prey

Destruction of wolves and coyotes; V. Bailey. 1908. 11 p.
Illus. Circular 63 of the Biological survey, U. S.
Dept. of agriculture.

PERIODICALS

General

- Atlantic monthly, May, 1908.--Conserving natural resources,
by J. L. Mathews.
Botanical gazette, May, 1908.--Alpine vegetation in the
vicinity of Long's Peak, Colo., by W. S. Cooper, p.
319-37.
Country life in America, May, 1908.--Fighting beetles with
fungi, by D. Phelps, p. 51.
Gardeners' chronicle of America, April, 1908.--How to exter-
minate tree borers, by J. J. Levison, p. 35-6.
Harper's weekly, April 25, 1908.--Government factories for
preserving wood, p. 33.
Independent, April 30, 1908.--Conservation of natural re-
sources, by T. E. Will, p. 946-52.
Modern farming, May, 1908.--Practical forestry for southern
farms, by Gifford Pinchot, p. 10-13.
National geographic magazine, May, 1908.--An American fable,
by Gifford Pinchot, p. 345-50.

- New England magazine, April, 1908.--Our waterpowers in New England, by P. W. Ayres, p. 144-60; To prevent decay in wood, p. 242-3.
- Nineteenth century, April, 1908.--Recruitment of the Indian forest service, by J. Nisbet, p. 637-50.
- Proceedings of Association of railway superintendents of bridges and buildings, 1907.--Preservatives for wood and metal, p. 141-54.
- Putnam's, April, 1908.--Rivers and the conservation movement, by J. H. Quick, p. 3-15.
- Review of reviews, May, 1908.--Checking the waste of our national resources, by G. G. Mitchell, p. 585.
- Rod and gun in Canada, May, 1908.--The true forestry methods, by E. Tinsley, p. 1175-6.
- Scientific American, April 18, 1908.--A machine that saws 240,000 wooden paving blocks in a day, by J. Boyer, p. 273-5.
- Scientific American, April 25, 1908.--The practical work of the United States Bureau of forestry, by D. A. Willey, p. 295-6.
- Scientific American, May 2, 1908.--Wood paving, p. 277; The conservation of our natural resources, by G. Pinchot, p. 285-6.
- Torrey, April, 1908.--The story of the mangrove, by G. V. Nash, p. 73-8.
- Torrey, May, 1908.--The chestnut canker, by W. A. Murrill, p. 111-12.
- Western world, May, 1908.--Reforestation in the reserves, by W. G. M. Stone, p. 8.
- World's work, May, 1908.--The riches of the Philippine forests, by Roy Crandall, p. 10228-35; A new patriotism; the solution of an economic crisis brought on by national waste, by G. Pinchot, p. 10235-7.

Trade Journals and Consular Reports

- American industries, April 15, 1908.--What the Forest service is doing, by G. Pinchot, p. 19-22.
- American lumberman, April 25, 1908.--Lumber production of Pacific Coast for 1907, p. 49-58.
- American lumberman, May 2, 1908.--Increased use of the bent wood rim, p. 36; Possibilities of profit in growing eucalypti, p. 37; Southern pine manufacturers hear about practical forestry, by W. T. Cox, p. 42; Lumbermen and the forest, by O. W. Price, p. 52.
- American Lumberman, May 9, 1908.--Inequitable taxation of standing timber, by A. C. Shaw, p. 47.

American lumberman, May 16, 1908.--Conservation of natural resources as viewed by a southern pine manufacturer, by R. Fullerton, p. 38, 43; Conservation of nation's resources, p. 39-43; The commissariat of a typical drive on a northern river, etc., p. 99-127.

Canada lumberman, May 1, 1908.--The new Dunbar steam logging machine, p. 20.

Carriage monthly, May, 1908.--Improvements in drying hardwood timbers, p. 39; Facts, fancies and theories about hickory, by J. Maris, p. 45.

Engineering record, March 21, 1908.--Australian timbers for cross ties, by C. O. Burge, p. 355-6.

Engineering record, April 11, 1908.--A method of moving large trees, p. 511.

Hardwood record, April 25, 1908.--Balsam fir, p. 16-17.

Hardwood record, May 10, 1908.--Yellow birch, p. 16-17; The manufacture of organs, by C. Klauber, p. 18-20; A famous walnut log, p. 23-4; Hardwood for motor vehicles, p. 24-5.

Lumber review, May 1, 1908.--The taxation of timber lands, p. 12.

Lumber trade journal, May 1, 1908.--Taxation of timber lands in Mississippi, by J. R. Buckwalter, p. 18.

Lumber trade journal, May 15, 1908.--The all-important tax question, p. 11-12.

Manufacturer, April 15, 1908.--Work of the Forest service which is of special value to the manufacturer, by Royal S. Kellogg, p. 295-7.

Mining world, April 25, 1908.--Mine timbers and their substitute, by D. W. Shepard, p. 683.

Mining world, May 2, 1908.--Timbering methods in Missouri-Kansas districts, by Otto Ruhl, p. 710-13.

Mississippi Valley lumberman, May 1, 1908.--Substitutes for wood pulp in the manufacture of paper, p. 24-5.

Mississippi Valley lumberman, May 15, 1908.--The devastating influences of fire and taxes, p. 26-7.

Municipal journal and engineer, May 6, 1908.--A wood pipe conduit construction at Carney's Point, N. J., p. 555-8.

National Coopers' journal, May, 1908.--The making of gum staves, p. 9.

Ohio architect and builder, April, 1908.--The waning timber supply; address before Builders' exchange of Cleveland, March 27, 1908, by G. Pinchot, p. 34-6.

Pacific builder and engineer, May 16, 1908.--The manufacture of creosote, p. 199.

Paper mill, April 25, 1908.--Plant trees; instructions as to transplanting, p. 14, 18.

Railway age, May 8, 1908.--The Burlington tie-preserving plant at Galesburg, p. 667-70.

Railway age, May 15, 1908.--Preservation of railroad ties, by S. M. Rowe, p. 698-700.

- Railway and engineering review, May 16, 1908.--New tie-treating plants on the Rock Island lines, p. 391-2.
- St. Louis lumberman, April 15, 1908.--The Viola wood distilling retorts, by B. Viola, p. 58-9.
- St. Louis lumberman, May 15, 1908.--Veneer in the planing mill, p. 42-3; Conservation of our forests; a paper read at the conference on the conservation of national resources, by R. L. Long, p. 67, 83-4; Yellowstone park, p. 71-5; Field work of the Yale forest school in Alabama long leaf, by H. R. MacMillan, p. 81; Some widely divergent views and statements on forestry, p. 82; Conservation of natural resources of the country; important problems considered at the White House, p. 82 A-B.
- Southern industrial and lumber review, April, 1908.--Pine trees reclaim abandoned farms, p. 28; The sap of the spruce, p. 76.
- Southern lumberman, April 25, 1908.--Ancient and modern columns, p. 30 B-C.
- Timber news, April 18, 1908.--Queensland's forest trees, p. 17.
- U. S. daily consular report, April 27, 1908.--Railway cross-ties; experiments for their preservation by sterilization, by W. C. Teichman, p. 6.
- U. S. daily consular report, May 13, 1908.--Paper from bagasse, by R. Guenther, p. 8.
- U. S. daily consular report, May 19, 1908.--Roadside trees; preservative effect of shade trees on French roads, by R. P. Skinner, and F. Birot, p. 13.
- Wood craft, May, 1908.--Dry kilns and dry stock, by L. C. Williams, p. 44-5.
- Wooden and willow-ware trade review, April 23, 1908.--Match making in India, W. H. Michael, p. 25.

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, April, 1908.--Die raumliche Ordnung im Walde und die Naturverjungung (Arrangement of cuttings and natural regeneration), by Eberhard, p. 113-123; Über den Schaden des Kiefernbaumschwamms (*Trametes pini*), by Hemmann, p. 123-5.
- Bulletin de la Société central forstière de Belgique, April, 1908.--Le genre *Dendroctonus* (The genus *Dendroctonus*), by G. Severin, p. 239-48; Le hêtre à coeur rouge (Red heart variety of beech), p. 241-51; Invasion du Bombyx moine ou nonne (Invasion of the Bombyx moth), p. 251-3; Emploi du Douglas pour le boisement des lands campiniennes (Use of Douglas fir for afforesting waste land), by G. Quiretet, p. 257-60; Inoculation du sol et des semences (Inoculation of soil and seeds), p. 260-5; La protection de nos arbres et de nos forêts. (Protection of our trees and forests), by Pierre Baudin, p. 265-76;

- Les radeaux de bois du Pacifique (Timber-rafts on the Pacific), p. 288-90.
- Forest and irrigation, May, 1908.--Work in a national forest: No. 7, Land, Indians and whiskey, by C. H. Shinn, p. 243-7; The White House conference, p. 248-9; America's greatest irrigation scheme, by A. D. Cameron, p. 258-65; Waste of natural resources and need for conservation, by Mrs. L. A. Williams, p. 266-9.
- Forestry quarterly, March, 1908.--Logging by steam, by Asa S. Williams, p. 1-33; Notes on the Girard estate forest plantations, p. 34-9; Management of spruce and hemlock lands in West Virginia, by M. Rothkugel, p. 40-6; Extending a log rule, by E. A. Braniff, p. 47-51; Structural characteristics of some Philippine woods, by C. H. Goetz, p. 52-7.
- Forstwissenschaftliches Centralblatt, April, 1908.--"Über Borkenkäferbiologie und Borkenkäfervertilgung (The biology of the bark-beetle and its destruction), by E. Knoche, p. 200-9; Der Blitz und die Bäume (Lightning and forest trees), p. 218-22.
- Hawaiian forester and agriculturist, March, 1908.--Three new forest reserves, by R. S. Hosmer, p. 63-76.
- Indian forester, March, 1908.--Forestry and irrigation, p. 133-6; Forests in Japan, by F. A. Nicholson, p. 142-51; Sandalwood at sea-level, by M. R. Rao, p. 151-3; Indian woods for packing-cases, p. 172-7.
- Indian forester, April, 1908.--Eucalyptus trees, p. 197-200; Light and shade, by R. S. Pearson, p. 200-10; Methods of charcoal burning in Salem division, by T. S. Tiruvengkatachari, p. 210-15; Plants used in paper-making, p. 250-2.
- Minnesota forester, April, 1908.--Planting of pine and spruce seed, by O. J. H., p. 47; Evergreens in northwestern North Dakota, by O. M. A., p. 47-8.
- Minnesota forester, May, 1908.--The Minnesota summer school of forestry, p. 50-60.
- Revue des eaux et forêts, April, 1908.--Les monocotylédones arborescentes ou frutescentes de France, d'Algerie et de Tunisie (Monocotyledonous trees and shrubs of France, Algeria and Tunis), by P. Fliche, p. 236-40.
- Schweizerische Zeitschrift für Forstwesen, April, 1908.--Der Wegbau im Gebirgswalde (Construction of roads in mountain forests), by H. Hilty, p. 109-14; Aufforstungen (Afforestation), by E. Panen, p. 119-24.
- Southern woodlands, April, 1908.--Some means of perpetuating the forests of Georgia, by A. Akerman, p. 5-9; The forests of Missouri, by S. J. Record, p. 10-16.

Tharander forstliches Jahrbuch, Jan. 1908.--Die Bodenanalyse und ihre Anwendung in der Forstwirtschaft (Soil analysis and its use in forest management), by Vater, p. 1-20; Die Aufforstung der unrentablen Flächen des landwirtschaftlichen Kleinbesitzes (The afforestation of the unproductive areas of small farms), by R. Beck, p. 21-120. Woodland and roadside, May, 1908.--Forest taxation, p. 20-2. Zeitschrift für Forst-und Jagdwesen, April, 1908.--Einige Bemerkungen über Düngung im Wald (Some observations on fertilization in the forests), by Homberger, p. 230-6.

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CURRENT LITERATURE FOR JUNE

1908

Compiled by the Librarian of the Forest Service

FOREST BOTANY

- The evergreen trees of Colorado; B. O. Longyear. 1908.
32 p. Illus. Bulletin 130 of the Agricultural
Experiment Station, Fort Collins, Colo.
North American trees; N. L. Britton. 1908. 894 p.
Illus. Henry Holt & Co., New York.
Trees of Great Britain and Ireland; H. J. Elwes and A.
Henry. Vol. 3, 1908. 261 p. Illus. Privately
printed, Edinburgh.

SILVICS

- Le chataignier (The chestnut); J. B. Lavialle. 1906.
286 p. Illus. Vigot Frères, Paris.

FOREST MANAGEMENT

- Preliminary report on the condition of cut-over lands in
the long-leaf pine region of Mississippi; J. S.
Holmes and J. H. Foster. 1908. 8 p.
Condition of cut-over long-leaf pine lands in Mississippi;
J. S. Holmes and J. H. Foster. 1908. 8 p. Circular
149 of the Forest service.

Working plans

- A working plan for a part of Paloduro Canyon, Randall Co.,
Texas; H. H. Chapman. 1904. 51 p. Illus.

Organization & Administration

- India - Coorg - Forest department. Progress report of
forest administration for 1906-1907. 1908. 22 p.
Bangalore.

~~India~~ Punjab - Forest department. Progress report on forest administration for 1906-1907. 1907. 69 p. Lahore.

India - United Provinces - Forest department. Progress report of forest administration for 1906-1907. 1907. 139 p. Allahabad.

Report of the departmental committee on Irish forestry. Vol. 1-2, 1908. 60 and 484 p. Department of Agriculture and technical instruction, Dublin.

UTILIZATION

Traité d'exploitation commerciale des bois (Treatise on the commercial exploitation of wood); A. Mathey. Vol. 2, 1908. Illus. L. Laveur, Paris.

STATISTICS

Oesterreichs Holz-industrie und Holzhandel (Austria's lumber industry and trade); A. von Engel. Vol. 1-2, 1907. 776 p. Illus. W. Frick, Wien.

FOREST LAWS

Ordinamento degli usi civici nel demanio montagna del comune di Polia (Regulations for the municipal use of the mountain forests of the commune of Polia). 1906. 114 p. Illus. Ministero di agricoltura, industria e commercio, Roma.

PROCEEDINGS OF ASSOCIATIONS

Chambersburg meeting of the Pennsylvania forestry association, June 9-11, 1908. 4 p. Philadelphia, Pa.

Jahrbuch des Schlesischen Forstvereins für 1907 (Yearbook of the Silesian forestry association for 1907). 1908. 253 p. Breslau.

STREET AND PARK TREES

East Orange, N. J.-Shade tree commission. 4th annual report, 1907. 12 p. Illus.

FOREST ENEMIES

Diseases of trees

Extent and importance of the white pine blight; S. T. Dana. 1908. 4 p. Forest service.

Smelter fumes

Injury to vegetation and animal life by smelter fumes;
J. K. Haywood. 1908. 40 p. Illus. Bulletin 113
of the Bureau of Chemistry.

PERIODICALS

General

- Country life in America, June, 1908.--How we saved our
Black walnut tree, by A. Van Gelder, p. 220, 222.
Farm and fireside, June 10, 1908.--The conservation of
our forest resources, by G. Pinchot, p. 1.
Farm and ranch, June 13, 1908.--Forest reservations and
their probable influence in Texas, by N. C. Schlemmer,
p. 1-2.
Garden magazine, July, 1908.--Trees that are loved for
their flowers, by P. J. Berckmans, p. 330-332.
Great west, May 23, 1908.--The great forest area tributary
to Sacramento, by G. B. Lull, p. 32; Natural wealth
of Sacramento valley and its conservation, p. 34.
Maxwell's talisman, May, 1908.--The Appalachian national
forest, by G. H. Maxwell, p. 37-8.
Orchard and farm, June, 1908.--Costly irrigation developing
Salt River valley, Arizona, p. 5-6.
Rocky Mountain husbandman, June 4, 1908.--Glacier park,
p. 7.
Science, May 15, 1908.--Conference on the conservation of
natural resources, p. 794-96.
Scientific American Supplement, May 16, 1908.--Brazilian
Copal gum, p. 311.
Southern field, June, 1908.--Southern resources; an exhibit
of its agricultural products, forests, etc., p. 1-16.
Tropical agriculturist, April, 1908.--The native rubber-
trees of British Guiana, p. 301-305; Preservative
against wood splitting, p. 331; Tapping young rubber
trees, p. 370-71; Planting in New Guinea, p. 387-390.

Trade Journals and Consular Reports

- American lumberman, May 23, 1908.--Weighty opinion on dan-
gers to nation's timber resources, p. 48; Biltmore
forestry school experts and students, p. 48-9.
American lumberman, May 30, 1908.--Basic principles which
should govern selection of oak logs for quarter saw-
ing, p. 31; Timber cutting regulations and taxing
policies in relation to forest preservation, p. 32;
How foresters are trained in practical lumbering, p.
54-54 C.

- American lumberman, June 6, 1908.--Louisiana will seek legislative aid in preserving its forests, p. 34; Mississippi Longleaf pine timber pictured in natural colors, p. 35; Recapitulation of annual statistics compared with partial census reports, p. 38-39; Shingle mill machinery; its construction and method of operation, by C. W. G. Everhart, p. 48-49.
- American lumberman, June 13, 1908.--Strong resolutions in support of forest conservation, adopted by the National association of manufacturers at a meeting held in New York City, p. 87; Timber owners' interest in state forest preservation legislation, p. 33.
- American industries, June 1, 1908.--The turning point of national prosperity, by G. Pinchot, p. 14.
- American telephone journal, June 6 and 13, 1908.--Use of the so-called "inferior" timbers for telephone poles, by P. M. Paine, p. 525-527; 556-557.
- Engineering news, May 14, 1908.--The management of the black locust plantations of the Pennsylvania railroad, by E. A. Sterling, p. 522-3.
- Hardwood record, May 25, 1908.--White spruce, p. 16-17; The manufacture of carriages, by C. Klauber, p. 18-19.
- Hardwood record, June 10, 1908.--Box elder, p. 16; Utilization of hardwoods; electric appliances, by C. Klauber, p. 17-19; Report of committee on forestry at the eleventh annual meeting of the national hardwood lumber association, p. 26 A- 26 B.
- Journal of electricity, power and gas, June 6, 1908.--Distillation of turpentine by electricity, by F. T. Snyder, p. 354-355.
- Mississippi Valley lumberman, May 29, 1908.--The manufacture and utilization of excelsior, p. 27.
- Mississippi Valley lumberman, June 5, 1908.--Scientific preservative treatment of railway ties, p. 27-28.
- Municipal journal and engineer, June 3, 1908.--United States wood blocks, the silent pavement, p. 33.
- National coopers' journal, June, 1908.--Dry kilns, by E. H. Vitalius, p. 18-19.
- Ohio architect and builder, May, 1908.--Manufacturers and timber, p. 34-35, 54.
- Pacific builder and engineer, June 6, 1908.--The composition of Zylon preservative, by E. G. Jewett, p. 224.
- Pacific coast wood and iron, June, 1908.--Experienced lumberman declares koa and ohia prospects are excellent, p. 19; A large tie treating plant, p. 23; Shuttle wood necessary, p. 25.
- Pacific lumber trade journal, May, 1908.--The Washington forest fire association is ready for active service, p. 11.
- Packages, June, 1908.--Wood utilization, by M. Cline, p. 41, 48.
- Paper making, May, 1908.--Peat in paper making, p. 192-3.

- Paper mill, June 6, 1908.--Wild land taxation, its relation to forestry, by B. T. Harvey, p. 16, 36.
- Pulp and paper magazine, May, 1908.--Process from making paper from peat, p. 130; First principles in the manufacture of Kraft paper, by J. A. De Cew, p. 133-4.
- Southern industrial and lumber review, May, 1908.--Wood preserving, by E. P. Schoch, p. 28.
- Southern lumber journal, June 1, 1908.--Making wooden houses fire proof, p. 31; Forest trees in the Philippine Islands, their growth and size, p. 34.
- Southern lumberman, May 30, 1908.--Public opinion on forest conservation, p. 23-4.
- Southern lumberman, June 13, 1908.--More of Louisiana's forest legislation, p. 24; A wonderfully ornamental tree; the ginkgo, p. 25; Railroad wood preservation, p. 36.
- Timber trades journal, May 30, 1908.--Felling trees by electricity, by M. P. B., p. 1171.
- Timberman, May, 1908.--Lumbering in New South Wales, p. 30-1.
- U. S. daily consular report, May 25, 1908.--Brazilian rubber trade, p. 1-3; Spanish paper manufacture, p. 13.
- U. S. daily consular reports, June 9, 1908.--French forestry methods, by R. P. Skinner, p. 7.
- U. S. daily consular reports, June 13, 1908.--Bentwood chairs, p. 11.
- Wood craft, June, 1908.--The steaming and bending of wood, by C. T. Mason, p. 64-6; The manufacture of spokes, by L. Kay, p. 73.
- Wooden and willow ware trade review, June 11, 1908.--Willow basket making by hand, p. 49.
- Woodworkers' review, May, 1908.--Log cabins and forest lodges, p. 149-53.
- Wood-worker, June, 1908.--Handling mahogany in Africa, p. 33-4.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, May, 1908.--eNatur - oder Kunstverjüngung (Natural or artificial regeneration), by Wagner, p. 153-159.
- Bulletin de la Société central forstière de Belgique, May, 1908.--Protection des paysages et conservation des beautés naturelles (Protection of scenery and conservation of the natural beauties of the country), by C. Delville, p. 299-312; Statistique des produits et dépenses des bois (Statistics of the products and expenses of forests), p. 320-30; La protection de nos arbres et de nos forêts (The protection of our

trees and forests), p. 340-52; Incendies de forêts en 1907 (Forest fires in 1907), p. 359-60; La production de l'épicéa en Ardenne (The production of spruce in Ardenne), p. 360-66; Les forêts du Japon (The forests of Japan), p. 366-67.

Bulletin trimestriel de la Société forestière de Franche - Comte et Belfort, May, 1908.--La forêt, son rôle dans la nature et les sociétés (The forest, its role in nature and society), by Jacquot, p. 499-505; Améliorations pastorales (Improvement of pastures), by Seurre, p. 505-10; La forêt vagabonde (The encroaching forest), by A. Schaeffer, p. 511-12; La déforestation de la France (The deforestation of France), by R. de Sailly, p. 512-18; Procédé rapide d'estimation du chêne (Rapid method for estimating oaks), p. 522-24.

Bulletin trimestriel de la Société forestière de Franche - Comté et Belfort, supplement, May, 1908.--Le revenu imposable des forêts (The tax revenue of the forests), by A. Arnould, p. 1-32.

Centralblatt für das gesamte Forstwesen, May, 1908.--Die Fichtensamengallmücke (Plemeliellanabietina), by M. Seitner, p. 185-90; Einflüsse der Lichtstärke und der Temperaturhöhe auf die Grösse der Chlorophyllassimilation einiger Waldbäume (Influence of light intensity and height of temperature on the amount of chlorophyll assimilated by certain forest trees), by Cieslar, p. 190-94; Ein historischer Lärchenwald (A historical larch forest), by Guse, p. 194-99; Die Keimlinge von Pseudotsuga macrocarpa (The seedlings of big-cone spruce), by E. Zeberbauer, p. 199-200; Nonnen enquete (Injury in regard to the nun - moth), p. 217-19.

Forest leaves, June, 1908.--Governor Stuart on forestry, p. 131-132; Conservation of resources, p. 133-35; Hackberry, by J. T. Rothrock, p. 136-7; Foresters for the great railway companies, by C. H. Goetz, p. 142.

Forestry and irrigation, June, 1908.--The governors' conference, by F. G. Heaton, p. 291-348; Conservation, woman's work, by L. A. Williams, p. 350-51.

Forstwissenschaftliches Centralblatt, May, 1908.--Die falsche Grundlage der Faustmann'sche Formel für den Waldbodenwert (False conclusions of the Faustmann-formula for valuation of forest land), by I. P. Frey, p. 254-59; Bemerkungen zum Anbau der Fichte (Observations on the cultivation of the Spruce), by Schupfer, p. 159-66.

Hawaiian forester and agriculturist, April, 1908.--The forest situation in Hamakua, by R. S. Hosmer, p. 77-89.

Indian forester, May, 1908.--Grazing, p. 253-6; British forestry, p. 257-64; Reserves and working plans, by F. A. Leete, p. 269-80; Macaranga denticulata, by B. S. Gupta, p. 281-2; The afforestation question, p. 310-15.

- ~~Minnesota forester~~, June, 1908.--Forestry situation in a nutshell, by F. Roth, p. 62-69.
- Revue des eaux et forêts, May, 1908.--Au pays du mélèze (In the region of the larch), by A. Mathey, p. 257-71; Azbte et converture morte (Nitrogen and ground cover of dead leaves), by Henry, p. 274-78; Quelques observations concernant l'action de la foudre sur les arbres (Observations on the action of lightning on trees), by C. de Kirwan, p. 278-81; La marche rétrograde de la végétation (The retrograde movement in vegetation), by R. Ducamp, p. 289-98.
- Southern woodlands, June, 1908.--National forestry, by H. H. Chapman, p. 18-27; The ninth annual meeting of the Canadian forestry association, by H. Baker, p. 27-31; An objective point in the taxation of forest lands, by A. Akerman, p. 31-40.
- Zeitschrift für Forst und Jagdwesen, May, 1908.--Die Nutzbar-machung des Rohhumus (Trockentorf) bei Kiefernkulturen. (Utilization of raw humus in pine culture), by A. Moller, p. 273-90; Berechnung des Werts haubarer Kiefernbestände auf dem Stock; Form des Kiefernshaftes (Valuation of mature pine stands on the stump; forms of pine boles), by Fricke, p. 290-308; Über einen Fichtendüngungsversuch (An experiment in fertilizing spruce), by Homberger, p. 309-13.

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Walter Mulford.
UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

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CURRENT LITERATURE FOR JULY

1908

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

- Cape of Good Hope Forest department. Report of the chief conservator of forests for 1907. 1908. 20 p. Illus. Cape Town.
- Économie forestière (Economic forestry); G. Huffel. Vol. 2-3. 1905-7. 484 & 510 p. Illus. L. Laveur, Paris.
- Report on forestry; by West Virginia State board of Agriculture, 1908. 130 p. Illus. Charleston, W. Va.

ENCYCLOPEDIAS, DICTIONARIES, AND CALENDARS

- Condensed catalogue and price list of timber shade and ornamental trees; 1908. 46 p. Southern California Acclimatizing Association. Santa Barbara, Cal.
- Index kewensis. An enumeration of the genera and species of flowering plants. Supplement III. Compiled by B. D. Jackson. 1901-1905. 193 p.

FOREST BOTANY

- Our trees; how to know them; C. M. Weed & A. I. Emerson. 1908. 295 p. Illus. J. B. Lippincott Co., Phila. Pa.
- Sylva britannica or portraits of forest trees; J. G. Strutt. 1826. 32 p. Illus. Henry G. Bohn, York Street, Covent Garden, London.
- Trees and shrubs; C. S. Sargent. Vol. 2, pt. 2, 1908. 60 p. Illus. Houghton, Mifflin & Co., Boston, Mass.

EDUCATIONAL

Synopsis of courses for Pennsylvania state forest academy;
1908. 4 p. Mont Alto, Pa.

FREST MANAGEMENT

Volume and Yield

Notes regarding growth of Giant sequoia. By age, height, diameter and circumference; by Edgar de la Rue, 1865. p. 1. Eldorado, Cal.

UTILIZATION

Wood Preservation

Préservation des bois contre la pourriture par le sol les champignons et les insectes, et recherches sur la valeur comparative de divers antiseptiques (Preservation of wood against the decay by the soil, the fungus, and the insects, and researches of the comparative value of different antiseptics; by E. Henry. 1907. 96 p. Illus. Berger-Leveault & Co. 18 Rue des glacis, Nancy, France.

FREST LAWS

Forest fish and game law, an act for the protection of the forests, fish, and game of the State of New York; 1908. 175 p. J. B. Lyon & Co. Albany, N. Y.

PROCEEDINGS OF ASSOCIATIONS

Internationaler Verband forstlicher Versuchsanstalten. Vierte Versammlung (4th meeting of the International association of forest experiment stations). 1903. 87 p. Maria-brunn.

FREST ENEMIES

Insects

Forest entomology; by A. T. Gillanders. 1908. 422 p. Illus. Wm. Blackwood & Sons, Edinburg and London.

Summary of orders for Pennsylvania state forest lands
1908

APPENDIX

Index and Yield

Tables showing yield of forest products by area, height, etc.
by the Pennsylvania State Forestry Commission, 1908, p. 1.

Tables showing yield of forest products by area, height, etc.
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Tables showing yield of forest products by area, height, etc.
by the Pennsylvania State Forestry Commission, 1908, p. 1.

Tables showing yield of forest products by area, height, etc.
by the Pennsylvania State Forestry Commission, 1908, p. 1.

MILITARY SUBJECTS

The range problem in New Mexico; E. O. Wooton. 1908. 46 p. Illus. Bulletin 66 of the New Mexico agricultural experimental station, Albuquerque, N. Mexico.

MODICALS

General

- McClure's Magazine, July, 1908.--Gifford Pinchot, Forester, by W. C. Barnes, p. 319-27.
New England Magazine, May, 1908.--What states are doing, by P. W. Ayres, p. 290-308.
New England Magazine, June, 1908.--Our national resources in the White Mountains, by P. W. Ayres, p. 435-449.
Southwestern Stockman farmer and feeder, July 10, 1908.--How to grow Eucalyptus. p. 1.
World's work, July, 1908.--Gifford Pinchot, Forester, by H. K. Smith, p. 10427-30.

Trade Journals & Consular Reports

- American lumberman, June 20, 1908.--Taxation as related to forest preservation, by J. B. White, p. 46;; Lumber cut of the United States in 1907, by R. S. Kellogg, p. 47-8.
American lumberman, July;4, 1908.--Structural value of the Longleaf Pine, Botanically considered, p. 62-63.
American lumberman, July 11, 1908.--Production of lumber, lath, and shingles for the year ending 1907, p. 35.
Canada lumberman and woodworker, July 15, 1908.--British Columbia lumber output and shipment for the year 1907 as compared with 1906. p. 18; A comparative statement of timber, masts, bowsprits, spars, staves, etc., for the year 1906, 1907, ending July 7, 1908, p. 23.
Carriage and wagon builder, June, 1908.--Paper or wood pulp wheel rims, p. 16-17.
Daily bulletin of the Manufacturer's record, July 6, 1908.--The Appalachian reserve, p. 4.
Hardwood record, June 25, 1908.--Some important foreign woods; mahogany, by J. V. Hamilton, p. 18-19; The manufacture of motor boats, p. 33-4; Manufacture of folding screens, p. 37; Stringed instruments and "woodwinds", by C. Klauber, p. 40-2.
Mississippi Valley lumberman, June 26, 1908.--Taxation of timber lands, by T. B. Walker, p. 24-5.
Pacific builder and engineer, June 20, 1908.--A tie-pickling plant, by A. Wolf, p. 237.
Pacific lumber trade journal, June, 1908.--Problem of conserving the forest resources of Pacific Coast States, by F. H. Lamb, p. 25-6.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

- paper mill and wood pulp news, July 4, 1908.--Imports of wood pulp during the years ending May, 1906, 1907, and 1908, p. 20.
- Pulp and paper magazine, June, 1908.--Wood flour, p. 159-60.
- St. Louis lumberman, June 15, 1908.--Baskets and veneer, p. 80; The forests of Guerrero, Mexico, by J. E. Long, p. 84-5.
- Southern industrial and lumber review, June, 1908.--Evolution of the stump, by J. C. Dionne, p. 28; The last raft on the Delaware, by E. Mott, p. 60.
- Timberman, June, 1908.--Teak wood of Burmah and Siam, p. 20-1; Australian lumber tariffs, p. 24; Lumbering in the Philippines, p. 28-9.
- U. S. daily consular report, June 20, 1908.--Reed laths in Sweden, by W. H. Robertson, p. 1-4.
- U. S. daily consular report, June 22, 1908.--Tanning in India, by W. H. Michael, p. 7.
- U. S. daily consular report, June 26, 1908.--Japanese forestry development, by H. B. Miller, p. 5.
- West coast lumberman, June, 1908.--Forest fire laws, p. 622-3.
- Wood craft, July, 1908.--The steaming and bending of wood, by C. T. Mason, p. 101-102.

Forest Journals

- Canadian forestry journal, March, 1908.--The Canadian Forestry Association, Ninth annual meeting, p. 1-22; The Canadian Society of Forest Engineers, p. 23-24; La maniere dont queques cultivateurs usent du bois et de leurs terres (The manner in which different cultivators utilize their lands and timbers, by J. C. K. Laflamme, p. 31-38; Forest survey methods, by A. H. D. Ross, p. 39-52.
- Forestry quarterly, June, 1908.--The study of natural reproduction of forests, by H. S. Graves, p. 115-137; The forest problem in a rich agricultural county of Ohio, by O. E. Baker, p. 138-150; Conversion of coppice under standards of high forests in Eastern France, by A. E. Hawes, p. 151-157; The sprouting of Shortleaf Pine in the Arkansas National Forest, by W. R. Mattoon, p. 158-59; Forest geography and description,--Swedish forest ecology, p. 173-174; Flora dependent on soil, by R. Zon, p. 177-79; Evaporation measurements, p. 180-82; Seed quantities, p. 185-186; Forest growing on Moors, p. 186-87; Remedy for Larch blight, p. 195-96; Field planting work of the Pennsylvania Railroad, by E. A. Sterling, p. 207; Planting operations of the New York State forest, fish and game commission, p. 207-208.
- Forestry and irrigation, July, 1908.--The work of the spoilers. How the finest hardwood forests on the Continent in Western Ohio have been ravished, by A. B. Plowman, p. 363-69; Fore tree nurseries, by Q. R. Craft, p. 373-79.

- Hawaiian forester and agriculturist, May, 1908.--The five indispensably essential materials in our civilization are wood, water, coal, iron, and agricultural products, by G. Pinchot, p. 93-95.
- Indian Forester, June, 1908.--Marking trees for felling, p. 317-19; British forestry, p. 320-326; Alternation (rotation) of forest crops, by B. O. Coventry, p. 327-39; Fire protection in Burma, by H. C. Walker, p. 339-349; Railway fires, by H. Jackson, p. 349-54.
- Oregon forester, April, 1908. (Cont. from March number).--Taxation of forest lands, p. 5-7; Statistics of Oregon commercial timber and total forest area, p. 11.
- Plant world, May, 1908.--Evaporation and centers of plant distribution, by B. E. Livingston, p. 106-112.

PERIODICAL LITERATURE FOR AUGUST, 1908

Walter Mulford

PERIODICALS

General

- Bulletin of the American Geographic society, July, 1908.--
North Dakota, plant, bird, animal and human life
adaptations, by W. Craig, p. 321-332, 401-415.
- Farm and fireside, August 10, 1908.--The glacier national
park, 17 p.
- Garden magazine, September, 1908.--A few nursery grown
trees; the shellbark hickory, by J. W. Kerr, 73-4 p.
- Gardener's chronicle, June 20, 1908.--The Corsican pine,
p. 406.
- Gardener's chronicle, July 4, 1908.--Preservative effect
of roadside trees, p. 11; A new rubber tree, p. 12.
- Gardening, August 8, 1908.--Planting Oak trees, by J. E.
Maycock, p. 331.
- Grizzly Bear, July, 1908.--Forestry and Irrigation, p.25.
- Maxwell's Talisman, June, 1908.--The conservation of the
material resources of our country, by G. H. Maxwell,
p. 45-46.
- New England farmer, August 8, 1908.--More trouble for the
trees by the insects, p. 7.
- New York tribune farmer, July 16, 1908.--The importance
of humus, by E. Van Alstyne, p. 4; Protect the farm
wood lot, by L. C. Reynolds. p. 9.
- Northwest horticulturist, July, 1908.--Cherry trees nour-
ished, p. 150-51; Cherry tree slug. p. 151.
- Popular science monthly, August, 1908.--Shall our forest
wealth be destroyed?, by T. E. Will, p. 176-187.
- Rocky Mountain husbandman, July 16, 1908.--Insure timber
supply for Montana's mines, p. 2.
- Rocky mountain husbandman, July 23, 1908.--The forest re-
serves, by Senator Clark, p. 2. (Ext. from Congres-
sional record).
- Scientific American Supplement, July 4, 1908.--Fungi de-
stroying Eastern forests, by W. H. Ballou, p. 12-14.
- Scientific American Supplement, July 11, 1908.--Methods
of fire-proofing wood, p. 27.
- Scientific American Supplement, July 18, 1908.--The great
achievement of France in forestry, p. 48.
- Western Empire, August, 1908.--Eucalyptus handling, p. 3;
Propose eucalyptus planting, p. 4.

Trade Journals & Consular Reports

- American lumberman, August 8, 1908.--Canada's great fire,
p. 27; Relative values of standing timber, p. 28-29;

- European afforestation and American timber supply, by L. Miller, p. 37; Mahogany a new material for automobile bodies, p. 56.
- American lumberman, August 15, 1908.--Extent and character of the timber resources of Canada, p. 29; Recognition of the utility of Red Gum, p. 32; Creosoted wood block pavement well established in America, p. 34; Red Gums record of progress, p. 59-66.
- American telephone journal, July 25, 1908.--Standard pole used by the New England rural telephone service, p. 84.
- Architects and builders journal, August, 1908.--Imitation hardwoods, p. 35.
- Barrel and box, July, 1908.--Forestry in Vermont, p. 35; Protection of the national forests, p. 35.
- Barrel and box, August, 1908.--The race for the last tree and the future of the Mississippi river, by C. Christodoro, p. 30-31; Conserving timber resources and national industrial progress, by J. S. Palmer, p. 36-37; Something about dry kilns, by E. H. Vitalius, p. 37; Wood paving, p. 39; A solution of the waste problems, p. 39; Railroads and wood preservation, p. 40.
- Canada lumberman and woodworker, August 1, 1908.--Ontario's estimate timber cut for 1907-8, p. 16; Estimate of the value of Quebec's timber, p. 16; Quebec's forestry report, p. 20; The forest area of various countries compared with Canada, p. 21; Newfoundland a factor in the pulp question, p. 34.
- Canada lumberman and woodworker, August 15, 1908.--The Miramichi fire, p. 29; Canada's importance as a lumber producer, p. 34.
- Carriage monthly, August, 1908.--The growing of vehicle timbers, p. 121-123; The Catalpa speciosa, p. 124.
- Daily consular and trade reports, July 23, 1908.--British lumber supply; imports of wood and timber; and countries whence imported, p. 6-8.
- Engineering and mining journal, January 18, 1908.--Safety devices for mine hoists, by U. P. Swinburne, p. 150-53.
- Engineering news, June 25, 1908.--Address, by C. MacDonald before the annual convention of the American Society of Civil Engineers, p. 687-88.
- Engineering news, July 2, 1908.--Annual convention of the American Society of Civil Engineers, p. 6-7; Column action in piles; failures of a bridge and shipping pier, p. 18-19; Proper methods of treating timber, by S. M. Rowe, p. 20.
- Engineering news, July 9, 1908.--Annual meeting of the American Society for testing materials, p. 30-33; Forest Service tests of timber, p. 31. (Papers read before the Annual meeting of the American Society for testing materials); Structural timbers of the Pacific coast, by R. Thelen, p. 32; A suggestive government policy toward water power development in National Forests, p. 42-43.

- Great west, June, 1908.--Water supply of the Sacramento Valley, by Wm. B. Clapp and Wm. P. Martin, p. 29-31.
- Hardwood record, July 10, 1908.--Some important foreign woods; the teak, p. 18-19; C. A. Schenck, p. 19-21; Utilization of hardwoods; wagons, by C. Klauber, p. 22-24; Hardwood grooved cable wheels, by G. Rice, p. 25.
- Hardwood record, July 25, 1908.--Some important foreign wood; the Ohio, by H. C. Haner, p. 18; Utilization of hardwoods; tables, by C. Boyle, Jr., p. 19-20; Possibilities of the Ohio valley woodlot, p. 20-21; Hardwood matches, p. 23-24; A plea for the young walnuts, by J. V. Hamilton, p. 26.
- Hardwood record, August 10, 1908.--Circassian walnut, p. 18-19; Utilization of hardwoods; desks; by C. Boyle, Jr., p. 24-25.
- Industrial record, June 27, 1908.--Camphor culture in Florida, p. 3, 6; California trees; the redwood belt, p. 8.
- Industrial record, July 11, 1908.--Some facts about the production of naval stores, p. 8.
- International Cooperage news, July 1, 1908.--Forest fires in Michigan, p. 5.
- Lumber review, August 1, 1908.--Minnesota virgin pine forests, p. 21.
- Lumber trade journal, July 15, 1908.--Trees for crossties, p. 14; Pecky cypress, by H. Von Schrenk, p. 15.
- Lumber trade journal, August 1, 1908.--Dr. H. Von Schrenk, p. 20; Wilson bill; an act provided for the recovery of timbered swamp lands, p. 35.
- Lumber world, August 1, 1908.--Canadian timber estimates, p. 17.
- Lumberman's review, July, 1908.--Forest fires in New Hampshire and Maine, p. 20.
- Mining world, August 8, 1908.--Injury to mining by forest fires, p. 193.
- Mississippi valley lumberman, July 31, 1908.--Larch; its leading qualities, p. 13; Timber supply of the principal countries of the world, by C. F. Pretty, p. 30; Chemical methods of wood utilization, by L. F. Hawley, p. 34; Coast lumberman's semi-annual meeting July 25, at Tacoma, Wash., p. 32-37.
- Municipal journal and engineer, August 5, 1908.--Park system of Harrisburg, Pa., p. 169-172; East Orange tree commission; excellent work done in preserving shade trees, p. 172-73; Care of city trees of Cambridge, Mass., p. 173.
- National coopers' journal, July, 1907.--How cypress staves are made, p. 5.
- National coopers' journal, August, 1908.--The slaughter of the trees, by E. Hough, p. 8-9; Development of Louisiana and the growth of the cooperage industry, p. 14-15.
- New York lumber trade journal, July 1, 1908.--New York state forestry work; replenishing the trees in the Adirondacks, p. 10.
- New York lumber trade journal, August 1, 1908.--Increasing interest in forestry, p. 11.
- New York lumber trade journal, August 15, 1908.--Pennsylvania to acquire additional state forest lands, p. 15; Forest fires, p. 24.

Ohio architect and builder, July, 1908.--Pests destroying shade trees, p. 39; Suggestions to woodlot owners, p. 40.

Oil paint and drug reporter, July 27, 1908.--Chinese wood oil, p. 22.

Pacific Coast wood and iron, August, 1908.--Forest Service tests of Douglas Fir beams, p. 27, 39.

Pacific lumber trade journal, July, 1908.--Decisions of interstate commerce commission on coast freight rates, p. 24, 26, 28-30, 34, 36, 38, 40.

Packages, July, 1908.--Exports in wooden material for the fiscal year ending June 30, 1907, p. 74; Spanish Cedar and Mahogany, p. 78.

Packages, August, 1908.--Something about cedar logs and how they are made into cigar boxes, p. 60.

Paper mill and wood pulp news, August 1, 1908.--Annual gathering of the Canadian forestry association, p. 5; Esparto and wood, p. 36.

Pulp and paper magazine, July, 1908.--A lesson of spruce from Maine, p. 169; Timber resources of Nova Scotia, p. 183.

Railway and engineering review, August 8, 1908.--Forest fires in Canada, p. 639.

Railway and engineering review, August 15, 1908.--Prevention of forest fires by railroad employees, p. 671.

Savannah naval stores review, July 11, 1908.--Export spirits turpentine from the United States for eight years, 1901-1908, p. 6-7.

Saint Louis lumberman, July 1, 1908.--Address by Wm. Irvine before the 6th annual meeting of the national lumber manufacturers' association, at Minneapolis, Minn., June 16-17, p. 62; Taxation as relative to forest preservation, by J. B. White, p. 63-64; Address by G. H. Chapmann of the Yale Forest School, p. 65; Address by R. S. Kellogg; p. 66.

Saint Louis lumberman, July 15, 1908.--Hackberry, p. 22; Kiln drying cooperage, p. 26; The importance of the forest interests of Texas, by J. L. Thompson, p. 48-49.

Southern industrial and lumber review, July, 1908.--Timber in Mexico, p. 29; Many woods to make one vehicle, p. 65.

Southern lumber journal, July 1, 1908.--New Cypress and Tupelo grading rules, p. 30; Railroad and Wood preservation, p. 39; Boom for wood pavements, p. 40.

Southern lumberman, July 4, 1908.--Objective point in taxation of forest lands, p. 26.

Southern lumberman, July 18, 1908.--Louisiana land bill, full text of measure passed by legislature providing for recovery of timbered lands, p. 27; Saline-Solution treatment to prevent sap stain in red gum, p. 27.

Southern lumberman, August 1, 1908.--Cause and prevention of dry rot, p. 24-25.

Southern lumberman, August 8, 1908.--The Elk River forest fires, p. 25; Damaged by insects, p. 36.

Southern lumberman, August 15, 1908.--Growing Black Locust for profit, p. 24.

- Timberman, July, 1908.--Forest wealth of Australia, p. 20; Costly forest fires, p. 58.
- Timber trades journal, July 18, 1908.--Arboriculture and arable land, by R. M. Ferguson, p. 13; Whitewood and woodpulp industry, p. 81-82; Russia-Archangel government timber supplies, p. 82; Woodpulp industry in Norway, p. 85; Afforestation, p. 86.
- Timber trades journal, July 25, 1908.--The trees of commerce, p. 120.
- Timber trades journal, August 1, 1908.--Scientific tree butt blasting, by T. Johnson, p. 166.
- West Virginia lumberman and national wholesaler, July 1, 1908.--The new national grading rules effective. August 1, 1908. p. 10, 15-19; Tie pickling plant of the Northern Pacific railway company, and its method of tie treatment, p. 25; Huge trees of California, p. 30.
- West Virginia lumberman and national wholesaler, July 15, 1908.--Profit in wood mill waste, p. 17.
- West Virginia lumberman and national wholesaler, August 1, 1908.--The tariff question as it bears on the subject of forest preservation, p. 5-6; Railroads and wood preservation, p. 14, 19.
- Wholesale lumberman, July 7, 1908.--Wood paving in the United States, p. 50.
- Wood craft, March, 1908.--Oak chair and furniture dimensions, by B. W. Webster, p. 167-68; Incidental wood bending, by L. Kay, p. 172-73; Treating timber for joinery, p. 174.
- Wood craft, August, 1908.--The manufacture of wooden water tanks, p. 130-131; The making of wooden pulleys for agricultural machinery, by F. Wilson, p. 134; The timber supply and its future, by G. Krause, p. 136-37; Inventory of the natural resources, p. 140.
- Wood-worker, July, 1908.--Some unusual figures in veneer, p. 36-38; Pointers for veneer users, p. 38-39.
- Woodworkers review, July, 1908.--A description of novel and economical ways of working material on the shaper, by W. C. Jasbury, p. 222-23; Wooden collar buttons, p. 223; Veneering with costly woods, by G. E. Walsh, p. 225-27; Woodworking tools and machines, p. 230-33; Draw boring for pins in framing, by T. B. Kidner, p. 234-35; Practical and impractical window construction, by G. J. Shuster, p. 236-37; Practical hints on the design construction and finishing of interior cabinet work and furniture, p. 238; Little wooden barrels, p. 239.

Forest Journals

- Arboriculture, July, 1908.--Some catalpa talk; the tree and its merits, by G. M. Stone, p. 76; Growing catalpa

- trees in Michigan, p. 82-83; Catalpa--a valuable furniture wood, p. 79; History of a catalpa plantation at Farlington, Kansas, p. 84-85; Catalpa promises to do much for the South, p. 91; The blossoming and hybridization of trees, p. 88.
- Forest leaves, August, 1908.--Narrative of the Chambersburg meeting of the Pennsylvania forestry association, p.146-48; Forestry in Pennsylvania; address of John Birkenbine, President of the Chambersburg forestry association, p. 151-55; Chestnut culture, by C. K. Sober, p. 156-58.
- Forestry and irrigation, July, 1908.--A preliminary report of the consumption of pulp wood and amount of pulp manufactured during the year 1907, p. 401-402.
- Forestry and irrigation, August, 1908.--How the Pennsylvania system is planning for a permanent timber supply of its own, p. 426-7; Forestry, at the ninth biennial convention of the General Federation of woman's clubs, p. 435-37; National conservation commission, permanent organization completed at Chicago, June 19, 1908, p. 438-442; Trees and their names, p. 443-44; Arizona's mountain forests, p. 453-54; Insure timber supply for Montana's mines, p. 454-55; Conservation of power resources, by H. St.Clair Putnam, p. 460-65.
- Indian forester, July, 1908.--The physical effects of forests, p. 383-85; The forest of the Terai and Bhabar government estates in the United Provinces of India, by F. F. R. Channer, p. 393-406; Sandalwood at sea-level, by M. R. Rao, p. 406-407; Tikri forests, by G. Ral, p. 407-408; Leaves versus flowers, by R. Random, p. 408-410; Scientific forestry, by H. C. Walker, p. 410-17; Progress report of the forest administration in Madras for 1906-7, p. 419-20; Progress report of forest administration in the Marwar State, Jodhpur, 1906-7, p. 421; Progress report of forest administration in the Bhopawan agency for 1906-7, p.422-23; Report of the Irish forestry commission, p. 438-41; Notes of the 16th national irrigation congress held at Albuquerque, N. Mexico, September 29-30, October 1-3, 1907, by E. D. McQueen, p. 442-44.
- Indian forester, appendix, July, 1908.--Report of the Departmental committee on Irish forestry, p. 1-6; Present situation of Irish wood, p. 6-7; Effects of denudation on industries, p. 7-8; Arguments for a scheme of afforestation; p. 8-10.
- Minnesota forester, July, 1908.--Forest fires, p. 79-80; To prevent damping off evergreen seedlings, p. 80-81; Catalogue of the Minnesota summer school of forestry, p.81-3.
- Quarterly journal of forestry, July, 1908.--Scotch pine on limestone, by H. J. Elwes, p. 151-154; The conservation of underwood and coppice with standards, into high-wood, by F. A. O. Smith, p. 154-165; The black walnut, by H. J. Elwes, p. 167-69; Conversion of coppice underwood into

high forests, by E. R. Pratt, p. 166-67; The black walnut, its distribution, cultivation characteristics of growth, etc., p. 169-175; Report of the Departmental committee on Irish forestry, p. 183-87; Volume of some coniferous timber crops per acre in the country of Durham, by C. Moiser, p. 175-79; Forestry, by R. W. Fisher, p. 204-209; Fall in girth of pines and larch, by G. Marshall, p. 213-214.

Walter Mulford

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Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

Preservation of the game, fish and forests of Alabama;
J. H. Wallace. 1908. 16 p. Bulletin 2 of Alabama
Dept. of game and fish, Montgomery, Ala.

FOREST BOTANY

Algunas observaciones sobre las especies cultivadas en la
Seccion de aguas i bosques (Observations on the tree
species cultivated by the Division of water and for-
ests); F. Albert, 1908. 68 p. Illus. Impr. Cervan-
tes, Santiago de Chile.

El aroma de Australia (Acacia melanoxylon); F. Albert.
1908. 41 p. Illus. Impr. Cervantes, Santiago de
Chile.

Forest Geography

Jeografia vegetal del rio Valdivia i sus inmediaciones
(Plant geography of the Valdivia river, and vicinity);
L. Castillo. 1908. 120 p. Illus. Impr. Cervantes,
Santiago de Chile.

The timber of British Columbia; C. F. Pretty. 36 p. Illus.
Pretty's Timber Exchange, Vancouver, B. C.

SILVICS

Die forstliche Bestandesgründung (The formation of wood-
lands); H. Reuss. 1907. 398 p. Illus. Wien.

Classified list of publications available for distribution
August 20, 1908; Forest Service, U.S.
India-Imperial Forest College, Dehra Dun. Progress report
for 1906-1907. 1908. 24 p. Calcutta.
University of Minnesota-forest school. Progress report, Sept.
1908. 16 p. Minneapolis.

Arbor Day

Louisiana-Dept. of education. Arbor and bird day annual.
1908. 56 p. Illinois. Baton Rouge, La.

Forest Management

Collecting timber on the national forests and providing for
a future supply. R. E. and H. E. Clapp. 1908. 12 p.
Illinois. From Yearbook of U. S. Dept. of agriculture
for 1907.

Planting

Afterstation; J. Miller. 1908. 22 p. Oxford, Scotland.
Forest planting. 4 p. Leaflet no. 2 of the Rhode Island
forestry commission. Providence, R. I.
Native and planted timber of Iowa; H. P. Baker. 1908.
24 p. Circular 154 of the Forest Service.
Shelter-planting. J. E. Barrett. 1908. 10 p. Bulletin
1 of New Zealand Dept. of agriculture-Division of
live-stock and agriculture, Wellington, N. Z.

Field program for September, 1908; Forest Service. 22 p.
India-Bengal-forest dept. Annual progress report on forest
administration for 1906-1907. 1907. 88 p. Calcutta.
India-Bombay-forest dept. Administration report for 1906-
1907. 1908. 106 p. Bombay.
India-Burma-forest dept. Reports on forest administration
for 1906-1907. 1908. 186 p. Yangon.
India-Burma-Bengal and Assam-forest dept. Progress re-
port of forest administration for 1906-1907. 1907.
88 p. Calcutta.
Minnesota-forestry commission. 15th annual report for 1907.
1908. 148 p. Minneapolis, St. Paul, Minn.
Philippine Islands-Bureau of forestry. Annual report,
July 1, 1906 to June 30, 1907. 1908. 37 p. Manila.
P. I.

The use book; regulations and instructions for the use of the national forests; Forest service. 1908. 341 p.

UTILIZATION

- The principal species of wood; C. H. Snow. 2d ed., 1908. 212 p. Illus. J. Wiley and sons, N. Y.
- Useful information concerning Philippine public forests, and possibilities for their exploitation. 1908. 9 p. Circular 2 of the Bureau of forestry, Manila, P. I.
- Wooden poles; R. Wade, Sons & Co., Ltd. 36 p. 1908. Hull, Eng.

Products

- Maple products. 1908. 19 p. Bulletin 157 of the Laboratory of the Inland revenue dept., Ottawa, Canada.
- Note on the utilization of khair forests in eastern Bengal and Assam; P. Singh. 1908. 8 p. Illus. Forest pamphlet 1 of the Dept. of forestry, Calcutta, India.
- What ought the tariff rates to be on paper and pulp?; C. W. Lyman. 1908. 10 p. American academy of political and social science, N. Y.

Wood Preservation

- The preservative treatment of loblolly pine cross-arms; W. F. Sherfesees. 1908. 29 p. Illus. Circular 151 of the Forest Service.

WOOD TECHNOLOGY

- Materialprøvningsens udvikling (The evolution of the testing of materials); H. I. Hannover. 1908. 24 p. Illus. J. Jørgensen and Co., København.

STATISTICS

- Holzproduktion, Holzverkehr und Holzhandelsgebräuche in Deutschland (Lumber production, transportation and trade in Deutschland); E. Laris. 1907. 349 p. W. Hartmann, Eisenach.
- Production of lumber, lath and shingles, 1907; compiled in cooperation with the Forest service. 1908. 11 p. Bureau of the census, Washington, D. C.
- Pulp wood consumption, 1907, compiled in cooperation with the Forest service. 1908. 14 p. Bureau of the census, Washington, D. C.

STREET & PARK TREES

A four-fold word for trees; C. Bannwart. 1908. 15 p.
Illus. Newark shade tree commission, Newark, N. J.
Newark, N. J.--Shade tree commission. 4th annual report,
1907. 26 p. Illus. Newark.

FOREST ENEMIES

Insects

Notable depredations by forest insects; A. D. Hopkins.
1908. 16 p. From Yearbook of U. S. Dept. of agriculture for 1907.

IRRIGATION

National irrigation congress. Proceedings of 16th annual session. 1908. 83 p. Illus. Santa Fe, N. Mex.

PERIODICALS

General

Atlantic monthly, July, 1908.--White birch, by C. T. Wheeler, p. 34-7.
Collier's, Sept. 19, 1908.--The last of the big trees, by A. Ruhl, p. 14-16.
Country life in America, Sept. 1908.--A forest preserve near the metropolis, by E. L. Partridge, p. 456-9.
Garden magazine, Oct. 1908.--Avenue and shade trees for north and south, by P. J. Berckmans, p. 118-21.
Grizzly bear, Sept. 1908.--A great industry promised for California, by F. D. Cornell, p. 4.
Harpers' weekly, July 4, 1908.--Important question of forest law in Maine, p. 29.
Independent, June 18, 1908.--Uncle Sam's woodlot, by G. Pinchot, p. 1374-7.
Independent, July 16, 1908.--Farmer and the forest, p. 165-7.
New England farmer, Aug. 22, 1908.--Outbreak of forest caterpillars, p. 3.
Nineteenth century, July, 1908.--Indian famines and Indian forests, by J. Nisbet, p. 147-61.
Out west, Aug. 1908.--The United States Forest Service, by W. C. Barnes, p. 89-109.
Overland, June, 1908.--Curious trees, by W. L. Brown, p. 503.
Proceedings of the American society of civil engineers. Sept. 1908.--Forests and reservoirs in their relation to stream flow, with particular reference to navigable rivers, by H. M. Chittenden, p. 924-97.

- Scientific American supplement, June 27, 1908.--Spain feels the need of forests, p. 413-14.
- Scientific American supplement, Aug. 1, 1908.--Wood preservation, by W. F. Sherfese, p. 78-80.
- Scientific American supplement, Aug. 29, 1908.--How matches are made, by O. Bechstein, p. 132-4.
- Torrey, May, 1908.--The chestnut canker, by W. A. Murrill, p. 111-12.
- World to-day, Aug. 1908.--Saving three counties from drouth; reforestation of southern California, by H. H. Dunn, p. 866-9.
- World's work, Aug. 1908.--Life of a thousand-year pine, by E. A. Mills, p. 10543-6.

Trade Journals and Consular Reports

- American lumberman, Aug. 1, 1908.--Chemical methods of wood utilization, by L. F. Hawley, p. 44-5.
- American lumberman, Aug. 29, 1908.--The story of an ancient English walnut, p. 50-1.
- American lumberman, Sept. 5, 1908.--Timber taxation problems in Washington complex in character, p. 36.
- American telephone journal, Aug. 29, 1908.--Progress in chestnut pole preservation, by H. F. Weiss, p. 204-7.
- Barrel and box, Sept. 1908.--Natural resources, by B. Adams, p. 47; Cutting veneers, p. 60.
- Carriage and wagon builder, July, 1908.--Moisture and the strength of wood, p. 15.
- Carriage and wagon builder, Aug. 1908.--Wood pulp to the rescue, by W. H. Buckland, p. 20.
- Engineering magazine, July, 1908.--Economics of wood preservation, by E. P. Schoch, p. 607-9.
- Engineering magazine, Aug. 1908.--Economic aspects of wood preservation for structural purposes, by C. P. Winslow, p. 700-8.
- Engineering news, Sept. 10, 1908.--The forest nursery of the Pennsylvania railroad, near Morrisville, Pa., by I. L. Lee, p. 279-80.
- Hardwood record, Aug. 25, 1908.--Wood preservation progress in favor, p. 15-16; Balm of Gilead, p. 18-19; Utilization of hardwoods; chairs, by C. Boyle, p. 20-1; Use of hardwoods in automobiles, sleighs and bicycles, by C. Klauber, p. 27.
- Hardwood record, Sept. 10, 1908.--More about ohia, p. 18; The hardwood shortage; how to prevent it, by S. J. Record, p. 23-4; Utilization of hardwoods; sideboards and buffets, by C. Boyle, p. 27-9.
- International cooperage news, Aug. 1, 1908.--Dry kilns for cooperage stock, p. 3-5.
- Journal of electricity, power and gas, Sept. 12, 1908.--The charge for power plants in national forests, by P. P. Wells, p. 163-6.
- Pacific builder and engineer, Sept. 19, 1908.--Electrical distillation of wood, by F. T. Snyder, p. 345-6.
- Pacific lumber trade journal, Aug. 1908.--Structural strength of Douglas fir conclusively demonstrated, p. 19; Address on wood distillation, by L. F. Hawley, p. 27.

- Paper making, Aug. 1908.--A world-wide wood famine, p. 319-20.
- Pulp and paper magazine, Sept. 1908.--Use of China clay in paper making, p. 233-5; Swedish kraft paper, p. 235-6.
- St. Louis lumberman, Aug. 15, 1908.--Taxation as destroyer of forests, p. 57-8.
- Southern industrial and lumber review, July, 1908.--Importance of Texas forest interests, by J. L. Thompson, p. 38-40.
- Southern lumberman, Sept. 12, 1908.--Time to girdle cypress trees, p. 24.
- Timber trade journal, Aug. 22, 1903.--Lebanon cedar, p. 273; Utilization of sawdust, p. 275.
- U. S. daily consular reports, Aug. 29, 1908.--Acacia as mining timber, by E. Vollmer, p. 6.
- U. S. daily consular reports, Sept. 4, 1908.--World's lumber trade, by J. L. A. Burrell, p. 8.
- U. S. daily consular reports, Sept. 16, 1908.--Mexican rubber outlook, by B. H. Ridgely, p. 12-13.
- U. S. daily consular report, Sept. 21, 1908.--Norwegian white-wood; pulp mills to control the world's supply of white-wood, by F. S. S. Johnson, p. 15.
- Wholesale lumberman, Aug. 18, 1908.--Fancy wood floors, p. 31.
- Wooden and willow ware trade review, Sept. 10, 1908.--Wooden articles made in Maine, p. 1-2.
- Woodworkers' review, Aug. 1908.--Modern saw mill practice, by J. L. Heaton, p. 258-64; The steaming and bending of wood, p. 282-3; Forest fires, by E. Frothingham, p. 285-9.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, June, 1908.--Anlage von Wetterfesten Traufen an Wegen, Schneisen und Waldrändern sowie deren Behandlung (Arrangement and treatment of severance-cuttings on roads, trails and forest borders); by Thaler, p. 200-202; Frühere und jetzige Urteile über den Anbau ausländischer Holzarten (Former and present opinions regarding the culture of exotic species), by John Booth, p. 202-205.
- Allgemeine Forst - und Jagd-Zeitung, July, 1908.--Ueber den Nachweis von Rauchschäden (Proofs of injury by smoke); by G. Ramann, p. 233-236; Zur Theorie der Stammverwerfungs-Dynamik bei Wirbelstürmen im Walde und ihrer Deutung (Theory and significance of the dynamic force of whirlwinds in the forest in uprooting trees); R. Eifert, p. 236-240; Über forstwissenschaftliches Studium (Scientific course in forestry), by A. J. von Schermbeck, p. 240-245.
- Allgemeine Forst - und Jagd-Zeitung, August, 1908.--Die Bedeutung des Fachwerks in der Gegenwart und für die Zukunft (Importance of the compartment system, present and in the future), by Martin, p. 273-283.

- Arboriculture, Sept. 1908.--Kentucky's mountain forests, p. 99-100, 109; The black walnut, p. 102-4, 106; The butter-nut; white walnut, p. 104-5; The ailanthus, p. 108; Natural restoration of forests, p. 112; Restore forests of state; first steps taken towards planting the waste land of Massachusetts, p. 118.
- Bulletin de la Société centrale forestière de Belgique, June, 1908.--Importance culturelle des variations stationnelles des essences forestières (Cultural importance of variations in site conditions for forest species); by J. Huberty, p. 371-82; Acquisition et aliénation de propriétés boisées par les communes et les établissements publics (Acquisition and alienation of wooded properties by towns and public institutions), p. 382-391; L'éclaircie des taillis (Thinning coppice), p. 391-398; Densité des sapinières (Density of fir stands), p. 427-28; La destruction de la nonne, Bombyx monacha (The destruction of the nun moth), p. 428-231; Le sapin de Douglas (The Douglas fir), p. 431-32; Fabrication de l'extraît tannique en Belgique (The manufacture of tannic-acid in Belgium), p. 432-33; Influence de l'humidité du bois sur sa résistance (Influence of the humidity of wood on its resistance), by G. Desalle, p. 433.
- Bulletin de la Société centrale forestière de Belgique, July, 1908.--Alexander Dubois, Directeur général des Eaux et Forêts, sa vie, son oeuvre (Alexander Dubois, Director of the Dept. of streams and forests, his life and work), by N. Crahay, p. 439-51; Tables de production de l'épicéa et du hêtre en Suisse (Production tables for spruce and beech in Switzerland), p. 452-464.
- Bulletin de la Société centrale forestière de Belgique, August, 1908.--Le Weymouth et le Phycis ou Dioryctria abietella (The white pine and the moth Dioryctria abietella), p. 532-37.
- Centralblatt für das gesammte Forstwesen, June, 1908.--Zur Frage über die Rassen der Pinus silvestris (The question of the varieties of Pinus silvestris), by S. Kurdiani, p. 229-232; Entwurf zur Anleitung einer Standorts- und Bestandes-Beschreibung für das forstliche Versuchswesen (Outline of plan for describing sites and stands in forest experiments), p. 232-44; Der blaue Erlenblattkäfer, Agelastica alni L., im Jahre 1906 (The blue alder leaf-beetle, in the year 1906), by Sedlacek, p. 244-46.
- Centralblatt für das gesammte Forstwesen, July, 1908.--Zur Bekämpfung des Ortsteines durch kulturelle Massregeln (Conquering hardpan formation by cultural methods), by N. von Lorenz, p. 273-293.
- Centralblatt für das gesammte Forstwesen, August-September, 1908.--Eine Lanze für die Vorherrschaft der Produktionslehre in der Forstwissenschaft (A demand for the predominance of the production theory in forestry), by Rudolf A. Jugovitz, p. 321-346; Untersuchungen über die Biegungeelastizität und Festigkeit der japanischen Bauhölzer (Researches on the elasticity and durability of Japanese timber), by K. Moroto, p. 346-355.

Conservation, Sept. 1908.--The cult of conservation, by W J McGee, p. 469-72; Work on a national forest; chiefly concerning horses, by C. H. Shinn, p. 473-80; Forest policy of Pennsylvania, by J. L. Strobeck, p. 481-6; Nation's need of forestry work, by Mrs. J. E. MacKisson, p. 497-91; The Appalachian national forest association, by J. H. Finney, p. 504-5.

Forstwissenschaftliches Centralblatt, June, 1908.--Tatsachen Hypothesen und Irrtümer auf dem Gebiete der Samenprovenienz-Frage (Facts, hypotheses and errors on the subject of seed origin), by Arnold Engler, p. 295-314; Zeitgemässe Kiefern-kulturen auf Kiefernstandorten (Periodic pine culture on sites of pine stands), by Schreiner, p. 315-21; Die Schaden des Winters 1907 am Walde und am Wildstande (Injury to forests and game during the winter of 1907), by Karl Baltz, p. 325-332; Der Weber'sche Waldgrubber (The Weber forest grubber), by von Schauenburg, p. 332-38.

Forstwissenschaftliches Centralblatt, July, 1908.--Betrachtungen über Intensität in der Forstwirtschaft (Observations on intensive forestry), by Wagner, p. 357-367; Die Feststellung des Abgabesatzes in Hochwäldungen (Determining yield of high forests), by Eberbach, p. 368-87; Die Erhöhung der Holznutzung aus den bayerischen Staatswäldungen (Increase of wood utilization from the Bavarian State forests), by Fürst, p. 387-401.

Forstwissenschaftliches Centralblatt, August-September, 1908.--Über die Notwendigkeit von Ertragsnachweisungen in Plenterwald (The necessity of yield results from selection forests), by F. Funkhauser, p. 417-32; Zur Würdigung der forstlichen Statik (Criticism of forest statics), by Weise, p. 432-44; Zur Geschichte der kurpfälzischen Forstorganisation (History of forest organization in the Palatinate territory), by Hans Hausrath, p. 449-59; Dienstehinkommen (Forest service incomes), by W. Kessler, p. 459-68; Mitteilungen über forstliche Verhältnisse in Frankreich (Forest conditions in France), by Martin, p. 468-85.

Indian forester, Sept. 1908.--Katha manufacture in the Gonda division, by G. Rai, p. 463; A white ant exterminator, p. 491-3; The cost of afforestation, L. Miller, p. 495-9; Tree culture by streams and reservoirs; afforestation in water works areas, p. 500-2.

Minnesota forester, August, 1908.--The tree, p. 85-8; The effect of trees on the soil, p. 88-9; The effect of light on tree growth, by B. E. Fernow, p. 89-90; The distribution of water, p. 90; Windbreaks as crop protectors, p. 90-1; Forest regeneration and treatment, p. 91-2.

Schweizerische Zeitschrift für Forstwesen, June, 1908.--Die Beschränkung des Losholzverkaufs (Limiting the sale of loose wood), by F. Funkhauser, p. 169-75; Ueber die Bergkiefer im Jura und ihre Verwendung Die Aufforstung von Forstlöchern (The mountain pine and its use for reforestation of forest gaps), by A. Pillichody, p. 175-181.

frost

- Schweizerische Zeitschrift für Forstwesen, July-August, 1908.--
Die wissenschaftliche und praktische Fortbildung der Schweizerischen Forstbeamten (Scientific and practical instruction of Swiss forest employes), by F. Arnold, p. 217-24; Die Riesen-Cypressen Mexikos (The Giant Cypressess of Mexico), by J. Gifford, p. 235-38.
- Southern woodlands, August, 1908.--Some neglected aspects of the campaign against swamps, by R. M. Harper, p. 46-67.
- Zeitschrift für Forst-und Jagdwesen, June, 1908.--Untersuchungen über das Absterben des Nadelholzes in der Lüneburger Heide (Researches in reference to the dying-out of conifers on the Lüneburger heaths), by A. Zimmermann, p. 357-391.
- Zeitschrift für Forst-und Jagdwesen, August, 1908.--Die arbeitsverhältnisse in den Staatsforsten des Hannover'schen Harzes (Labor conditions in the state forests of the Harz Mts. of Hannover), by Gruenberg, p. 481-505; Ueber Betriebsregelung (Forest-working plans), by Lommatzsch, p. 505-12.

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CURRENT LITERATURE FOR OCTOBER

1908

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

Preservation of forests; L. Baeta-Neves. 1908. 5 p.
Address before 16th National irrigation congress,
Albuquerque, N. Mex.

MANUALS OF FORESTRY

A concise manual of silviculture for the use of forestry
students in India. 1906. 240 p. Supt. pf Gov-
ernment printing, Calcutta.

Manual de l'arbre pour l'enseignement sylvo-pastoral dans
les écoles (Forestry manual for use in the schools);
E. Cardot. 1907. 93 p. Illus. Touring-club
de France, Paris.

ENCYCLOPEDIAS, DICTIONARIES, AND CALENDARS

A glossary of technical terms for use in Indian forestry;
A. M. F. Caccia. 1908. 58 p. Forest pamphlet 3
of the Indian forest dept., Calcutta.

FOREST BOTANY

Forest trees of the Pacific slope; G. B. Sudworth. 1908.
441 p. Illus. Forest Service.

SILVICS

Amabilis fir. 1908. 3 p. Silvical leaflet 22 of the
Forest Service.

- Bristle-cone fir. 1908. 2 p. Silvical leaflet 24 of the Forest service.
- Chestnut oak in the southern Appalachians; H. D. Foster and W. W. Ashe. 1908. 23 p. Circular 135 of the Forest Service.
- Cottonwood. 1908. 3 p. Silvical leaflet 25 of the Forest service.
- Four-leaf piñon. 1908. 2 p. Silvical leaflet 17 of the Forest service.
- Foxtail pine. 1908. 2 p. Silvical leaflet 26 of the Forest service.
- Single-leaf piñon. 1908. 2 p. Silvical leaflet 16 of the Forest service.
- Torrey pine. 1908. 2 p. Silvical leaflet 27 of the Forest service.
- Weeping spruce. 1908. 2 p. Silvical leaflet 20 of the Forest service.
- White spruce, 1908. 4 p. Silvical leaflet 15 of the Forest service.

EDUCATIONAL

- Harvard university-Division of forestry. Prospectus, 1908-9. 21 p. Cambridge, Mass.

FOREST MANAGEMENT

- Cooperative forestry work; W. J. Green and E. Secrest. 1908. 9 p. Illus. Circular 82 of the Ohio agricultural experiment station, Wooster, O.

Mensuration

- Handbook on forest mensuration of the White pine in Massachusetts; H. O. Cook. 1908. 50 p. Illus. State Forester's office, Boston, Mass.

Lumbering

- Comertul și industria lemnului în România (Lumber industry and trade in Roumania); P. Antonescu. 1907. 243 p. Gutenberg, București.

Planting

- Eucalyptus in California; N. D. Ingham. 1908. 88 p. Illus. Bulletin 196 of the California agricultural experiment station, Berkeley, Cal.

Organization and Administration

Field program for October, 1908; Forest service. 21 p.
India-Baluchistan-Forest dept. Progress of forest administration for 1906-7. 1908. 41 p. Calcutta.
New York-Forest, fish and game commission. 12th annual report for 1906. 1907. 214 p. Illus. Albany, N. Y.

National and State Forests

Location and area of the national forests in the United States, Alaska, and Porto Rico, and dates when latest proclamations became effective; Sept. 3, 1908. 4 p. Forest service.

UTILIZATION

Indian forest utilization; R. S. Troup. 1907. 257 p. Illus. Supt. of government printing. Calcutta.

Products

The analysis of turpentine by fractional distillation with steam; W. C. Geer. 1908. 29 p. Circular 152 of the Forest service.

STATISTICS

Exports and imports of forest products, 1907; A. H. Pier-son. 1908. 26 p. Circular 153 of the Forest service.

FOREST LAWS

A manual of forest laws compiled for the use of students at the Imperial forest college, Dehra Dun. 1906. 100 p. Supt. of government printing, Calcutta.

PROCEEDINGS OF ASSOCIATIONS

Michigan agricultural college-Forester's club. Program, 1908-9. 8 p. Illus. Lansing, Michigan.

STREET AND PARK TREES

Street trees, their care and preservation; A. D. Taylor. 1908. 41 p. Illus. Bulletin 256 of the Cornell agricultural experiment station, Ithaca, N. Y.

Organization and Administration

Field program for October, 1905; Forest service, 21 p.
India-Baluchistan-Forest Dept. Progress of forest admin-
istration for 1905-7. 1908. 41 p. Calcutta.
New York-Forest, fish and game commission. 1908 annual
report for 1908. 1907. 214 p. Illinois. Albany, N. Y.

National and State Forests

Location and area of the national forests in the United
States, Alaska, and Porto Rico, and dates when lat-
est proclamations became effective; Sept. 5, 1908.
4 p. Forest service.

UTILIZATION

Indian forest utilization; R. S. Troup. 1907. 227 p.
Illus. Supt. of Government printing. Calcutta.

Products

The analysis of turpentine by fractional distillation
with steam; W. G. Geer. 1908. 29 p. Circular
122 of the Forest service.

STATISTICS

Exports and imports of forest products, 1907; A. H. Pier-
son. 1908. 26 p. Circular 123 of the Forest service.

Forest laws compiled for the use of students
at the Imperial forest college, Dabra Inn. 1908.
100 p. Supt. of Government printing, Calcutta.

RECORDINGS OF ASSOCIATIONS

Michigan agricultural college-Foresters' club. Program.
1908-9. 9 p. Illus. Lansing, Michigan.

FOREST AND PARK TREES

Street trees, their care and preservation; A. D. Taylor.
1908. 41 p. Illus. Circular 124 of the Forest
service, experiment station, Ithaca, N. Y.

FOREST ENEMIES

Insects

The bark-boring beetle attack in the coniferous forests in the Simla catchment area; A. P. Stebbing, 1908. 22 p. Illus. Forest pamphlet 2 of the Indian forest dept., Calcutta.

The more important insects affecting shade trees; J. S. Houser. 1908. 75 p. Illus. Bulletin 194 of the Ohio agricultural experiment station, Wooster, O.

Diseases of Trees

A great revelation; J. Davey. 1908. 28 p. Illus. Davey's school of forestry, Kent, O.

FOREST ZOOLOGY

A manual of elementary forest zoology for India; E. P. Stebbing, 1908. 229 p. Supt. of government printing, Calcutta.

BIBLIOGRAPHIES

A bibliography of forestry in California; E. Bruncken. 1908. 16 p. Circular 3 of the California state board of forestry, Sacramento.

NATURAL RESOURCES

A primer of conservation; T. Cleveland. 1908. 24 p. Circular 157 of the Forest service.

PERIODICALS

General

Annual report of Nebraska state board of agriculture, 1908.--The relation of forests to run-off water, by F. J. Phillips, p. 356-9.

Blackwood's Edinburgh magazine, Sept. 1908.--English avenues, by J. Nisbet, p. 383-448.

Charities and the commons, Oct. 3, 1908.--National movement to conserve natural resources, by G. R. Taylor, p. 8-10.

Contemporary review, Sept. 1908.--Our timber supply, by A. D. Webster, p. 301-6.

Country life in America, Oct. 1908.--Notable American trees, p. 590.

Gardners' chronicle, Aug. 29, 1908.--Forestry at the Hungarian exhibition. p. 161-2.

New England magazine, Sept. 1908.--Forestry the salvation of a worn-out Connecticut town, by A. F. Hawes, p.19-25.

Orchard and farm, Oct. 1908.--Fighting appalling forest trees, by Charles Hardee, p. 15-16.

Outing, Oct. 1908.--Tree planting around the country home, by E. E. Rexford, p. 122-4.

Outlook, Sept. 12, 1908.--Hudson River forest preserve, p. 56-7.

Overland, Sept. 1908.--To prevent national wastefulness, by R. De Montreale, p. 280-1.

School world, Sept. 1908.--Wildwood; a story of the forest, by Treadwell Cleveland, p. 1-20.

Scientific American supplement, Sept. 12, 1908.--How long it takes a tree to grow one inch, p. 172.

Scientific American supplement, Sept. 19, 1908.--Liability of various trees to lightning stroke, p. 187.

Scientific American supplement, Oct. 3, 1908.--Reinforced concrete poles, p. 217-18.

Transactions of Massachusetts horticultural society, 1908.--Hardy conifers for private estates, by J. Dunbar, p. 83-98.

Trade Journals and Consular Reports

American lumberman, Oct. 10, 1908.--Address before the Lakes-to-the-Gulf deep waterways association, by G. Pinchot, p. 38.

American lumberman, Oct. 17, 1908.--Views of a forester-lumberman on phases of forest fires, p. 31.

Electric railway journal, Oct. 17, 1908.--The open-tank method of preserving timber, by H. F. Weiss, p.1194-5.

Hardwood record, Sept. 25, 1908.--Lumbering in Hawaii a hard proposition, by H. C. Haner, p. 18-20; Utilization of hardwoods; hardwood doors, by C. Boyle, p. 21-2; The cableway skidders, p. 24-5; Minor musical instruments, p. 26-7.

Hardwood record, Oct. 10, 1908.--Utilization of hardwoods; cars, by C. Klauber, p. 21-2.

Lumber review, Oct. 15, 1908.--The California lumber industry, p. 24; The lumber industry of Texas, p. 47.

Southern lumberman, Sept. 26, 1908.--Timber land taxation, by J. W. Judd, p. 25-32.

Telephony, Oct. 10, 1908.--Preventing harmful tree trimming, by E. J. Harper, p. 347-9.

Timberman, Sept. 1908.--Unloading logs automatically, p. 40; Baldwin locomotive works design a new type of logging locomotive, p. 41; Lumber piling machine, p. 41.

- Timber trade journal, Sept. 26, 1908.--Afforesting waste lands and the financial results therefrom, by A. D. Webster, p. 439-61.
- U. S. daily consular report, Oct. 1, 1908.--Turpentine in Mexico, p. 15.
- U. S. daily consular report, Oct. 3, 1908.--Rubber industry in Brazil, Borneo, Federated Malay States and Japan, by G. E. Pickerell, and others, p. 1-4.
- Wood craft, Oct. 1908.--Lumber driers and drying lumber, by J. F. Hobart, p. 6-9; The dry kiln, its design and construction, by W. H. Miller, p. 14-16.
- Woodworkers' review, Oct. 1908.--Fighting forest fires, p. 340-4.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, Sept. 1908.--Neue Methode zur raschen und genauen Ermittlung des Holzgehaltes ganzer Bestände (New methods for rapid and exact estimation of entire stands), by Schubert, p. 309-314; Das Überhalten von Vorwüchsen (Reservation of advanced growth), by Heinrich von Salisch, p. 314-17; Waldbauliche Verhältnisse im Uebergangsbereich zwischen Basalt und Buntsandstein in Oberhessen (Silvicultural conditions on the transition tracts between basalt and mixed sandstone in Upper Hesse), by Wiener, p. 318-21.
- Allgemeine Forst - und Jagd-Zeitung supplement, 1908.--Jahresbericht über veröffentlichten und wichtigere Ereignisse im Gebiete des Forstwesens, der forstl. Zoologie, der Agrikulturchemie, der Meteorologie und der forstl. Botanik, für das Jahr 1907 (Annual report of publications and important events in forestry, forest zoology, agricultural chemistry, meteorology and forest botany for 1907), p. 1-89.
- Canadian forestry journal, June, 1908.--River regulation, with special reference to the Ontario peninsula and to the Grand river, by W. H. Breithaupt, p. 65-7; The timber situation in British Columbia, by R. D. Craig, p. 70-2; Tree planting and forest preservation, by A. J. Ewart, p. 73-7; Compulsory timber reserves on settlers' lands, by E. G. Joly de Lotbinière, p. 77-80.
- Conservation, Oct. 1908.--The National conservation commission; what it is doing, by H. Gannett, p. 517-20; Irrigated land opportunities, by G. E. Brown, p. 521-30; The Chautauqua as a propaganda medium, by T. E. Will, p. 531-2; Tree surgery as a science, by M. L. Davey, p. 533-8; A beginner in forestry, by Anne Warner, p. 540-1.

- Forest leaves, Oct. 1908.--The farm woodlot in Pennsylvania, by H. P. Baker, p. 163-7; Locust planting by the Pennsylvania railroad company, by J. T. Rothrock, p. 167-8.
- Indian forester, Sept. 1908.--The aims and future of forest research in India, by E. P. Stebbing, p. 507-18.
- Revue des eaux et forêts, Sept. 1, 1908.--Les forêts du Rouergue (The forests of Rouergue), by Buffault, p. 513-532; L'actualité forestière en Espagne (Actual forest conditions in Spain), by H. Vanutberghe, p. 532-39.
- Revue des eaux et forêts, Sept. 15, 1908.--Notes sur les mélèzaiés Briançonnaises (Notes on the larch forest of Briançon), by Paul Buffault, p. 545-552.
- Revue des eaux et forêts, Oct. 1, 1908.--La côte-nord du Saint-Laurent et le Labrador Canadien (The north coast of the St. Lawrence and Labrador), p. 592-95; Essais de bois, autres que le sapin, pour le pavage, à New York (Experiments made in New York with wood other than the spruce for wooden pavements), p. 602; L'alcool de bois (Wood-alcohol), p. 604-6.
- Schweizerische Zeitschrift für Forstwesen, Sept. 1908.--Über die Notwendigkeit von Ertragsnachweisungen im Plenterwald (The necessity of registration of yield in selection forests), by Fankhauser, p. 249-58; Der Schneefall vom 23-24 Mai, 1908, und dessen Folgen für unsere Waldungen (The snowfall of 23-24 of May, 1908, and the consequences to the forest), by Philipp Flury, p. 270-77.
- Tharander forstliches Jahrbuch, 1908.--Rückblicke auf die Verhandlungen des VIII. Internationalen landwirtschaftlichen Kongresses in Wien über Waldbau, Forstbenutzung und Forsteinrichtung (Review of the transactions of the 8th International agricultural congress at Vienna in regard to silviculture, forest utilization and forest management), by Martin, p. 121-85; Die Reinertragsübersichten der kgl. Sächs. Staatsforsten für das Jahr 1906 (Review of net yield from the state forests of Saxony in 1906), by A. Bruhm, p. 186-200; Das Tannensterben in den Sächsischen und anderen deutschen Mittelgebirgen (The dying-out of the fir in the middle mountain ranges in Saxony and other parts in Germany), by F. W. Neger, p. 201-25...
- Zeitschrift für Forst und Jagdwesen, Sept. 1908.--Über die Genauigkeit von Massen- und Zuwachsermittlungen für Zwecke der Betriebseinrichtung (The accuracy of determining volume and increment for the arrangement of working-plans), by Borgmann, p. 578-87; Was kann der Harzforstwart tun, um das Wasser zu verhindern, schädliche Wirkungen auszuüben (What can be done by managers of the Harz forests to prevent damages from streams), by Rautz, p. 588-603; Wie ist zu verfahren, um Mischungen der Buche und Fichte zu begründen und dauernd zu erhalten (What methods are to be followed in founding and keeping up mixed Beech and Spruce stands), by Salle, p. 603-4.

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CURRENT LITERATURE FOR NOVEMBER

1908

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

Progress of forestry in 1907; G. R. Craft. 1908. 19 p.
Illus. From Yearbook of U. S. Dept. of agriculture
for 1907.

FOREST BOTANY

Die Nordamerikanischen Holzarten (North American trees);
J. Booth. 1896. 87 p. Illus. J. Springer, Berlin.
Trees and their life histories; P. Groom. 1907. 407 p.
Illus. Cassell & Co., London.

SILVICS

Alpine larch. 1908. 2 p. Silvical leaflet 35 of the For-
est Service.
Bigtree. 1908. 5 p. Silvical leaflet 19 of the Forest
Service.
Black hemlock. 1908. 4 p. Silvical leaflet 31 of the
Forest Service.
Black spruce. 1908. 3 p. Silvical leaflet 28 of the For-
est Service.
Blue spruce. 1908. 2 p. Silvical leaflet 29 of the For-
est Service.
Bristle-conc pine. 1908. 2 p. Silvical leaflet 23 of the
Forest Service.
California swamp pine. 1908. 2 p. Silvical leaflet 30 of
the Forest Service.
Chestnut oak. 1908. 3 p. Silvical leaflet 41 of the For-
est Service.
Coulter pine. 1908. 2 p. Silvical leaflet 34 of the For-
est Service.

- Digger pine. 1908. 2 p. Silvical leaflet 33 of the Forest Service.
- Jeffrey pine. 1908. 3 p. Silvical leaflet 21 of the Forest Service.
- Knobcone pine. 1908. 2 p. Silvical leaflet 36 of the Forest Service.
- Monterey pine. 1908. 2 p. Silvical leaflet 39 of the Forest Service.
- Paper birch. 1908. 7 p. Silvical leaflet 38 of the Forest Service.
- Redwood. 1908. 5 p. Silvical leaflet 18 of the Forest Service.
- Sugar maple. 1908. 4 p. Silvical leaflet 42 of the Forest Service.
- Swamp cottonwood. 1908. 2 p. Silvical leaflet 40 of the Forest Service.
- Tamarack. 1908. 3 p. Silvical leaflet 32 of the Forest Service.
- White-bark pine. 1908. 3 p. Silvical leaflet 37 of the Forest Service.

EDUCATIONAL

- University of Washington-School of forestry. Catalogue for 1907-8. 1908. 36 p. Seattle, Wash.

FOREST MANAGEMENT

- Die Grundlagen der räumlichen Ordnung im Walde (The foundations of the arrangement of cuttings in the forest); C. Wagner. 1907. 320 p. Illus. H. Laupp, Tübingen.

Volume and Yield

- Form und Inhalt der Tanne (Form and volume of fir); A. Schiffel. 1908. 96 p. W. Frick, Wien.
- Normal-Ertragstafel für die Kiefer (Normal yield tables for the pine); A. Schwappach. 1908. 7 p. J. Neumann, Neudamm.

Organization and Administration

- Field program for November, 1908; Forest Service. 21 p.
- Manual of procedure for the Forest Service in Washington and in district offices. 1908. 73 p.
- New York forest, fish and game commission. Annual reports for 1904-1905-1906. 1907. 418 p. Illus. Albany, N.Y.

Higher pine, 1908. 2 p. Silvicultural leaflet 33 of the For-
 est Service.
 Jeffrey pine, 1908. 2 p. Silvicultural leaflet 34 of the For-
 est Service.
 Knobcone pine, 1908. 2 p. Silvicultural leaflet 35 of the
 Forest Service.
 Monterey pine, 1908. 2 p. Silvicultural leaflet 36 of the
 Forest Service.
 Paper Birch, 1908. 7 p. Silvicultural leaflet 38 of the For-
 est Service.
 Redwood, 1908. 2 p. Silvicultural leaflet 39 of the Forest
 Service.
 Sugar maple, 1908. 4 p. Silvicultural leaflet 40 of the For-
 est Service.
 Swamp cottonwood, 1908. 2 p. Silvicultural leaflet 41 of the
 Forest Service.
 Tamarack, 1908. 2 p. Silvicultural leaflet 42 of the Forest
 Service.
 White-bark pine, 1908. 2 p. Silvicultural leaflet 43 of the
 Forest Service.

UNIVERSITY

University of Washington-School of Forestry, Catalogue for
 1907-8, 1908-9. 26 p. Seattle, Wash.

FOREST MANAGEMENT

Die Grundlagen der rationellen Ordnung im Walde (The founda-
 tions of the arrangement of cuttings in the forest);
 C. Wanner, 1907. 320 p. Illus. N. Langg, Ybbs.

Yields and Volume

Form und Inhalt der Tanne (Form and volume of fir); A.
 Schüttel, 1906. 198 p. W. Fink, Wien.
 Normal-Korrelationskoeffizient für die Kiefer (Normal yield tables for
 the pine); A. Schwarzschild, 1908. 7 p. J. Neumann, Neudamm.

Organization and Administration

Field program for November, 1908; Forest Service, 21 p.
 Manual of procedure for the Forest Service in Washington
 and its district offices, 1908. 73 p.
 New York Forest, 1908 and some comparison. Annual report
 for 1904-1905-1906. 416 p. Illus. Albany, N.Y.

National, State, & Communal Forests

Beitrag zur Geschichte der Waldungen der Stadt Ettlingen
(Contribution to the history of the forests of the
city of Ettlingen); M. Seeger. 1908. 90 p. G. Braun,
Karlsruhe.

STATISTICS

Consumption of tanbark and tanning extracts, 1907. 1908.
10 p. Forest products no. 4, Bureau of the Census.
Exports of farm and forest products, 1905-1907, by coun-
tries to which consigned. 1908. 78 p. Bulletin 71
of the Bureau of statistics, U. S. Dept. of agricul-
ture.
The lumber cut of the U. S., 1907. 1908. 53 p. Forest
products no. 5, Bureau of the census.
Production of slack cooperage stock, 1907. 1908. 11 p.
Forest products no. 3, Bureau of the census.
Wood consumed in veneer manufacture, 1907. 1908. 10 p.
Forest products no. 5, Bureau of the census.

PROCEEDINGS OF ASSOCIATIONS

Iowa park and forestry association. Proceedings, 1907.
1908. 92 p. Illus. Iowa City, Ia.
Nebraska, University of-Forest club. Program, 1908-9.
4 p. Lincoln, Nebr.

TREET & PARK TREES

Hints to tree climbers. 1908. 3 p. Dept. of parks,
Brooklyn.
Notes on street tree pruning. 1908. 2 p. Dept. of parks,
Brooklyn.
Shade trees for North Carolina; W. W. Ashe. 1908. 74 p.
Illus. Bulletin 16 of the North Carolina geological
survey, Raleigh, N. C.

OREST ENEMIES

Insects

The European elm scale; S. B. Doten. 1908. 34 p. Illus.
Bulletin 65 of the Nevada agricultural experiment sta-
tion, Reno, Nev.
Notes on the uses of insecticides. 1908. 3 p. Dept. of
parks, Brooklyn.

Beitrag zur Geschichte der Waldungen der Stadt Kassel
(Contributed to the history of the forests of the
city of Kassel); M. Seeger. 1908. 30 p. G. Braun,
Kassel.

STATISTICS

Consumption of sawn and tanning extracts, 1907. 1908.
10 p. Forest products no. 4, Bureau of the Census.
Exports of farm and forest products, 1905-1907, by coun-
tries to which consigned. 1908. 78 p. Bulletin VI
of the Bureau of statistics, U. S. Dept. of agricul-
ture.

The lumber cut of the U. S., 1907. 1908. 53 p. Forest
products no. 5, Bureau of the Census.
Production of black pepper stock, 1907-1908. 11 p.
Forest products no. 3, Bureau of the Census.
Wood consumed in various manufactures, 1907. 1908. 10 p.
Forest products no. 5, Bureau of the Census.

FOUNDINGS OF ASSOCIATIONS

Idea park and forestry association, Providence, 1907.
1908. 52 p. Idea Park Association.
Nebraska, University of Forestry, Lincoln, 1908-9.
4 p. Lincoln, Neb.

WHAT A PARK TREES

Hints to tree planters. 1908. 3 p. Dept. of parks,
Brooklyn.
Notes on correct tree pruning. 1908. 5 p. Dept. of parks,
Brooklyn.
Shade trees for North Carolina. W. M. Ashe. 1908. 74 p.
Illus. Bulletin 15 of the North Carolina geological
survey; Raleigh, N. C.

WEST ENTRIES

The European elm scale; S. B. Dutton. 1908. 35 p. Illus.
Bulletin 65 of the Nevada agricultural experiment sta-
tion; Reno, Nev.
Notes on the uses of insecticides. 1908. 3 p. Dept. of
parks, Brooklyn.

Disease of Trees

Extent and importance of the chestnut bark disease; E. R. Hodson. 1908. 8 p. Forest Service.

EROSION

Terracing of farm lands; W. W. Ashe. 1908. 38 p. Illus. Bulletin 17 of the North Carolina geological survey, Raleigh, N. C.

PERIODICALS

General

- Biennial report of the Bureau of agriculture, labor and statistics of Kentucky, 1907.--First report on a study of forest conditions of Kentucky, by J. S. Holmes, and W. Bradfield, p. 37-121.
- Bulletin of the North Carolina board of health, Oct. 1908.--Relation of forests to public health, by W. W. Ashe, p. 94-8.
- Charities and the commons, Oct. 31, 1908.--Forest fires and the Red cross, p. 148-9.
- Country life in America, Nov. 1908.--Are we to lose our chestnut forests?, by E. A. Sterling. p. 44-5; Winter killing and how to avoid it, by F. Duncan, p. 64; Fighting the chestnut blight, p. 88.
- Farmers' voice, Nov. 1, 1908.--The farm shelterbelt, p. 3-4.
- Garden chronicle, Oct. 10, 1908.--The felted beech coccus, by A. D. Webster, p. 257.
- Garden chronicle, Oct. 17, 1908.--Japanese maples, by J. Clark, p. 273-4.
- Harpers' weekly, Nov. 7, 1908.--Wood pulp from sawmill waste, p. 32.
- Leslie's weekly, Nov. 12, 1908.--The lesson of our great forest fires, by R. W. Pullman, p. 473-4.
- North American, Nov. 1908.--Foundations of prosperity, by G. Pinchot, p. 740-52.
- Science, Oct. 23, 1908.--The function of the engineer in the conservation of the natural resources of the country, by C. S. Howe, p. 537-48.
- Scientific American, Oct. 10, 1908.--Paper industry as related to forests and education, p. 237-243.
- Scientific American supplement, Oct. 10, 1908.--Conservation of resources, p. 229.
- Van Norden magazine, Nov. 1908.--Departmental work at Washington; vast forest fire losses; checking Uncle Sam's wealth, by Roy Crandall, p. 249-54.
- World's work, Nov. 1908.--What a forest fire means, by F. J. Dyer, p. 10906-8.

Extent and importance of the chestnut bark disease; E. R. Nelson. 1908. 8 p. Forest Service.

FOREST

Termination of farm lands; W. W. Ashe. 1908. 38 p. Illinois. Bulletin 18 of the North Carolina geological survey, Raleigh, N. C.

FOREST

General

Elemental report of the Bureau of Agriculture, Labor and Statistics of Kentucky, 1907. First report on a study of forest conditions of Kentucky, by W. S. Holmes, and W. H. Henshaw, p. 37-131.

Bulletin of the North Carolina board of health, Oct. 1908. Relation of forests to public health, by W. W. Ashe, p. 24-8.

Charles and the commons, Oct. 31, 1908. Forest trees and the Red cross, p. 148-9.

Country life in America, Nov. 1908. Rare we have our chestnut forests, by E. A. Stearns, p. 44-51. Winter killing and how to avoid it, by E. H. Henshaw, p. 64. Planting the chestnut blight, p. 68.

Farmer's voice, Nov. 1, 1908. The farm chestnut, p. 3-4.

Garden chronicle, Oct. 10, 1908. The felled beech woods, by A. D. Webster, p. 287.

Garden chronicle, Oct. 17, 1908. Japanese maples, by J. Clark, p. 273-4.

Harper's weekly, Nov. 6, 1908. Good map from small waste, p. 32.

Leaflet's weekly, Nov. 12, 1908. The lesson of our great forest fires, by R. A. Lyman, p. 473-4.

North American, Nov. 1908. Foundations of prosperity, by O. Linch, p. 940-52.

Science, Oct. 23, 1908. The function of the engineer in the conservation of the natural resources of the country, by C. E. Rose, p. 257-48.

Scientific American, Oct. 10, 1908. Paper industry as related to forests and conservation, p. 237-243.

Scientific American supplement, Oct. 10, 1908. Conservation of resources, p. 219.

Van Norden magazine, Nov. 1908. Experimental work at Washington, vast forest fire losses, checking Uncle Sam's wealth, by Roy G. Ketchum, p. 243-54.

World's work, Nov. 1908. What a forest fire means, by J. H. Henshaw, p. 100-101.

World today, Nov. 1908.--Peril of the pines, a sketch of the forest fires of the north, by C. C. Thomas, p. 1118-24.

Trade Journals and Consular Reports

American industries, Nov. 15, 1908.--Conserving our natural resources, by Everett Smith, p. 8-11.

American lumberman, Oct. 31, 1908.--Forest conservation an essential of national prosperity, by J. E. DeFebaugh, p. 36-7; Revolutionary idea in lumber manufacture; aggregate unit system, p. 43-6.

American lumberman, Nov. 14, 1908.--Authoritative publication of estimated weights on forest products, p. 40.

Barrel and box, Nov. 1908.--Conservation of our natural resources, by R. S. Kellogg, p. 55-6.

Canada lumberman, Nov. 15, 1908.--How Canadian lumber competes in the United States, p. 20-1.

Engineering news, Sept. 24, 1908.--The chestnut bark disease, by E. A. Sterling, p. 332-3.

Hardwood record, Oct. 25, 1908.--A valuable substitute for lignum-vitae, p. 18; Utilization of hardwoods; hardwood interior decorations, by C. Klauber, p. 20-1; Address before National hickory association, by R. S. Kellogg, p. 22-4.

Hardwood record, Nov. 10, 1908.--Some valuable foreign woods, p. 19; Public forests of all nations, by M. Dunlap, p. 20; Utilization of hardwoods; refrigerators, p. 22-3.

Hub, Nov. 1908.--Natural resources; their waste and conservation, by T. E. Will, p. 280-1.

Journal of electricity, power and gas, Oct. 31, 1908.--The manufacture of fir cross arms, by A. T. Crosby, p. 288-90.

Journal of electricity, power and gas, Nov. 7, 1908.--The national forests, their development, use and conservation of their resources, by F. G. Baum, p. 293-301.

Journal of electricity, power and gas, Nov. 14, 1908.--Wood preservatives and processes in the United States, by W. F. Sherfesse, p. 317.

Lumber review, Nov. 15, 1908.--In catalpa plantations, p. 20-1; Evolution of the woodworkers' art, by R. L. Chambers, p. 47-9.

Mississippi valley lumberman, Oct. 23, 1908.--The United States duty on wood imports, p. 26-7.

Mississippi valley lumberman, Nov. 13, 1908.--Douglas fir a wood for general use, p. 26.

New York lumber trade journal, Nov. 15, 1908.--A criticism of the government Forest service, p. 10.

Pacific coast wood and iron, Nov. 1908.--The lumber industry of the Philippines, by H. N. Whitford, p. 21.
 Pacific lumber trade journal, Oct. 1908.--Work of forest fire association, p. 19-20; Municipal engineers and federal experts endorse wood block paving, p. 26-7.
 Paper mill, Oct. 31, 1908.--Cheaper logging, p. 34.
 Pulp and paper magazine, Oct. 1908.--Paper from peat, p. 251-2; Canadian forestry, by S. Gagne, p. 273-4.
 St. Louis lumberman, Nov. 15, 1908.--The wooden dish, p. 28; Excelsior and wood fibre, p. 28.
 Southern lumberman, Nov. 7, 1908.--Duty of a state regarding forestry, by A. Akerman, p. 35-6.
 Timberman, Oct. 1908.--New Zealand's depleted forests, p. 49; Clearing of logged off lands, by L. F. Hawley, p. 56 B.
 Timber trade journal, Nov. 14, 1908.--Forest resources, p. 728-9.
 Wood craft, Nov. 1908.--Veneers and interior wood decoration, by G. E. Walsh, p. 42-3; Sundry notes on wood staining and polishing, by A. A. Kelly, p. 43-5.
 Wooden and willow-ware trade review, Oct. 22, 1908.--Brush making in Lansingburgh, N. Y., p. 25-6.
 Wooden and willow-ware trade journal, Nov. 12, 1908.--Pulp pie plates made in Maine, p. 33.
 Wood-worker, Nov. 1908.--The matter of core wood, by T. C. J., p. 37-8.
 Woodworkers' review, Nov. 1908.--California redwood in its every-day uses, by H. A. Crafts, p. 365-6; The wood with a strong character, p. 373-4; The wood-worker's dry kiln, by J. C. Taylor, p. 384-7; Turning wooden balls, by C. T. Jay, p. 388-9.

Forest Journals

Allgemeine Forst-und Jagd-Zeitung, Oct. 1908.--Über Hiebszugswirtschaft in Sachsen (Arrangement of cutting-series in Saxony), by Pause, p. 345-53.
 Arboriculture, Nov. 1908.--The essentials of arbor day, p. 139-42; Some more catalpa talk and some object lessons, by W. G. M. Stone, p. 144-8; The coming timber; the world's supply of timber, p. 149, 153; How to plant a tree, p. 156-7.
 Bulletin de la Société centrale forestière de Belgique, Oct. 1908.--Emploi de l'épicéa comme poteaux télégraphiques et téléphoniques, et du hêtre à chemins de fer (Use of spruce for telegraph and telephone poles and of beech for railway ties), by J. Bareel, p. 644-662; La flore du Congo (The flora of Congo), by A. Gravis, p. 662-71; L'invasion de la nonne, Bombyx monacha (The invasion of the nun-moth), p.

79-83; Le genêt bienfaiteur de l'épicéa (The benefit of witches' broom to the spruce), by Crahay, p. 683-85; Assurance des forêts contre l'incendie (Insuring forests against fires), by G. Iniritet, p. 686-87.

Canadian forestry journal, Oct. 1908.--A forest policy for Canada, by B. E. Fernow, p. 82-92; Forest fires and forest protection, by E. Wilson, p. 102-5; Forest fires in the far western province, by J. Macoun, p. 108-12; Spring field work of foresters-in-training at the University of Toronto, p. 120-2; Forest fires, p. 126-37; The forestry schools, p. 138-40.

Centralblatt für das gesamte Forstwesen, Oct. 1908.--Schnecke und nonne (The snail and the nun-moth), by Fr. Bandisch, p. 393-94; Die Farbe des Weissföhren-Samens als systematisches Merkmal (The color of the seed of white pine as a means of distinction), by C. Zederbauer, p. 394-96; Über die Craterellus-Arten im allgemeinen und den Craterellus nucleatus Schroeder im besonderen (The Craterellus fungi in general and the nut-shaped species, Craterellus nucleatus Schroeder, in particular), p. 396-404.

Conservation, Nov. 1908.--The fraudulent homesteader, by A. L. Thayer, p. 579-84; The blight on chestnut trees, by J. Mickleborough, p. 585-8; The National irrigation congress, 16th. session, Albuquerque, N. Mex., p. 589-95; Natural movement of water in semi-arid regions, by W. J. McGee, p. 596-9; The Lakes-to-Gulf convention at Chicago, p. 601-6; The Trans-Mississippi commercial congress, by J. B. Case, p. 607-9; Convention of the Ohio Valley improvement association, p. 611-14; Droughts and floods, by J. H. Finney, p. 615-17.

Forestry quarterly, Sept. 1908.--Artificial reproduction of forests, by E. A. Sterling, p. 211-19; Suggestions for the handling of pulp-wood land in eastern Canada, by R. R. Bradley, p. 220-8; The results of systematic forest management, by B. E. Fernow, p. 229-33; Forestry in Vermont, by L. R. Jones, p. 234-6; A new use of waste products, p. 237-9; Mechanical timber estimator, p. 240; On the course of prices in forestry, by E. Bruncken, p. 241-54; The light requirements of forest trees and the methods of measuring light, by C. Zederbaur, p. 255-62.

Forstwissenschaftliches Centralblatt, Oct. 1908.--Strittige Fragen auf dem Gebiete des Waldbaues (Debatable questions in silviculture), by von Furst, p. 505-16.

Indian forester, Oct. 1908.--The effect of forests on rainfall, p. 571-3; The use of Terminalia arjuna bark for tanning, by D. O. Witt, p. 583-90; Indian wattle bark, p. 612-16; Afforestation in Ireland, p. 621-2; The forests of Asia Minor, p. 623-5.

Indian forest memoirs, 1908.--A note on the analysis of cutch and the preparation of pure catechin, by Puran Singh, p. 1-20.

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Minnesota forester, Oct. 1908.--Historic forest fires, p. 111-15.
 Quarterly journal of forestry, Oct. 1908.--The Russian larch,
 by H. J. Elwes, p. 221-4; Working-plan of Stisted Hall
 woodlands, 1907-1922, by W. R. Fisher, p. 224-44; Some
 notes on the forests of Switzerland, by J. Morel, p. 245-
 50; Fencing, by J. C. Archibald, p. 250-63; The school of
 forestry, Royal forest of Dean, by C. O. Hanson, p. 263-7;
 On the planting and reclamation of moors and bogs in Bel-
 gium, p. 267-82.
 Southern woodlands, Oct. 1908.--Wooden building materials, by
 A. Akerman, p. 69-71; Forestry and agriculture, by H. P.
 Baker, p. 72-5; Forest management in the Mississippi bot-
 toms, by S. J. Record, p. 75-7; The cotton manufacturers
 and the forests, by Gifford Pinchot, p. 77-80.
 Zeitschrift für Forst - und Jagdwesen, Oct. 1908.--Der Nieder-
 schlag in der Annaburger Heide, 1901 bis 1905 (The rainfall
 on the Annaburger moors from 1901-1905), by J. Schubert,
 p. 622-633; Das Recht an den Niessbrauchswaldungen (Rights
 in usufruct forests), by I. P. Frey, p. 633-641; Staats-
 wald in Nordamerika (National forests of North America),
 by Jentsch, p. 641-652.

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Yale forest school. Prospectus, 1908-9. 1908. 28 p.
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FOREST MANAGEMENT

Mensuration

Die Kiefer (The pine); A. Schwappach. 1908. 180 p.
J. Neumann, Neudamm.

Volume and Yield

Ertragstafeln für die Fichte und Buche der Schweiz (Yield
tables for the fir and beech of Switzerland); P. Flury.
1907. 75 p. Fäsi & Beer, Zürich.

Planting

The revegetation of over-grazed range areas; A. W. Sampson
and F. V. Coville. 1908. 21 p. Circular 158 of
the Forest service.

Organization and Administration

Field program for December, 1908; Forest service. 19 p.
Great Britain--Commissioners of woods, forests and land
revenues. 86th report, 1908. 123 p. London.
Hawaii--Board of agriculture and forestry. 4th report,
1907. 1908. 209 p. Illus. Honolulu.
Hawaii--Division of forestry. 4th report, 1907. 1908.
84 p. Honolulu.

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FOREST MANAGEMENT

Organization

Die Kiefer (The pine); A. Schreyer, 1908. 1908. 190 p.
J. Neumann, Neudamm.

Volume and Yield

Untersuchungen über die Kiefer und Buche der Schweiz (1908).
Tables for the life and season of Switzerland; H. W. W. W.
1907. 78 p. Text & Part, Berlin.

The revegetation of over-stated range areas; A. W. Benson
and F. V. Coville. 1908. 21 p. Circular 128 of
the Forest Service.

Organization and Administration

Field station for research, 1908; Forest Service. 19 p.
Forest Station—General report of work, Forests and land
management. 6th report, 1908. 123 p. London.
Forest—General report of work, Forests and land
management. 6th report, 1908. 123 p. London.
Forest—General report of work, Forests and land
management. 6th report, 1908. 123 p. London.
Forest—General report of work, Forests and land
management. 6th report, 1908. 123 p. London.

UTILIZATION

- Uses for eucalyptus lumber and timber. 1908. 12 p. Bulletin 3 of the Forestry society of California, Los Angeles.
- Value of eucalyptus trees. 1908. 4 p. Bulletin 4 of the Forestry society of California, Los Angeles.
- Wood, a manual of the natural history and industrial applications of the timbers of commerce; G. S. Boulger. Ed. 2, 1908. 348 p. Illus. E. Arnold, London.

Products

- Report on the cultivation of rubber in Ceylon and the Federated Malay States and Jahore; F. T. P. Waterhouse. 1908. 53 p. Illus. Hawaiian rubber growers' association, Honolulu.
- Wood products; distillates and extracts; P. Dumesney and J. Noyer. 1908. 320 p. Illus. London.

Wood Preservation

- Anatomische und mykologische Untersuchungen über die Zersetzung und Konservierung des Rotbuchenholzes (Anatomical and mycological investigations of the decay and preservation of beech); J. Tuzson. 1905. 89 p. Illus. Berlin.

BEST LAWS

- Handbuch für den preussischen Förster (Handbook for Prussian foresters); R. Radtke. 1908. 292 p. J. Neumann, Neudamm.

PROCEEDINGS OF ASSOCIATIONS

- Society of American foresters. Proceedings, vol. 3, no. 1. 1908. 124 p. Washington, D. C.

NATURAL RESOURCES

- Declaration of governors for conservation of natural resources. 1908. 7 p. Farmers' bulletin 340, U. S. Dept. of agriculture.
- Our wasteful nation; the story of American prodigality and the abuse of our national resources; C. Rudolf. 1908. 134 p. Illus. M. Kennerly, N. Y.

Use of anemometer in the study of the forest, 1908, 11 p.
 Bulletin 5 of the Forestry Society of California,
 Los Angeles.
 Value of anemometer in the study of the forest, 1908, 11 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.
 A manual of the natural history and industrial uses
 of the forest of the United States; G. S. Boulenger,
 Ed. 2, 1908, 344 p. Illinois, K. Arnold, London.

Report on the cultivation of rubber in Guyana and the 1908-
 1909 season; J. P. Boulenger, Ed. 2, 1908, 344 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.
 Food products; J. P. Boulenger, Ed. 2, 1908, 344 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.

Food preservation

Anatomische und physiologische Untersuchungen über die Verdauung
 und die Konservierung des Rohmaterials; J. P. Boulenger,
 Ed. 2, 1908, 344 p. Bulletin 4 of the Forestry Society of California,
 Los Angeles.

Food laws

Food laws; J. P. Boulenger, Ed. 2, 1908, 344 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.

Food of associations

Food of associations; J. P. Boulenger, Ed. 2, 1908, 344 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.

Food resources

Food resources; J. P. Boulenger, Ed. 2, 1908, 344 p.
 Bulletin 4 of the Forestry Society of California, Los Angeles.
 The study of the forest of the United States; G. S. Boulenger,
 Ed. 2, 1908, 344 p. Illinois, K. Arnold, London.

PERIODICALS

General

- American cultivator, Dec. 12, 1908.--How trees grow, by W. R. Lazenby, p. 11.
- American fruits, Dec. 1908.--Tree surgery, by G. C. Seager, p. 15-16.
- Conservation, Dec. 1908.--The Appalachian national forest association, by J. H. Finney, p. 643-4; Atlantic deeper waterways association, p. 645-6; Mississippi-to-Atlantic deep water-ways association, p. 647-8; Water power, by M. O. Leighton, p. 649-51; Bearing of the proposed Appalachian forest reserve on navigation, by W J McGee, p. 661-3; Forest school notes, p. 672-8; Origin of the reservoir system in the U. S., by T. C. Pound, p. 679-82.
- Garden magazine, Jan. 1909.--English effects with hardy conifers, by W. Miller, p. 264-7.
- New England farmer, Nov. 28, 1908.--Forest development through municipal, corporation and private ownership, by F. W. Rane, p. 7.
- Philippine journal of science, Oct. 1908.--The oaks of the Philippines, by E. D. Merrill, p. 317-30.
- Plant world, Oct. 1908.--A redwood sport, by W. A. Cannon, p. 232-4; A key to Ohio's common conifers, by L. W. Sauer, p. 235-6.
- Salt Lake outlook, Dec. 1908.--A plea for the Christmas tree, by E. H. Clarke, p. 11-14.
- Scientific American, Oct. 1908.--The naval stores industry, by D. A. Willey, p. 245-6.
- Scientific American, Nov. 14, 1908.--The menace of the forest fire, by D. A. Willey, p. 333-4.
- Suburban life, Dec. 1908.--Gifford Pinchot and the Country life commission, by E. I. Farrington, p. 279-80; Don't butcher your trees, by J. H. McFarland, p. 284.
- Torrey, Nov. 1908.--A tragedy of the forest, by G. V. Nash, p. 255-9.
- Van Norden magazine, Dec. 1908.--Fighting a forest fire, by H. J. Case, p. 347-51.

Trade Journals and Consular Reports

- American industries, Dec. 15, 1908.--The movement for industrial improvement, by H. H. Lewis, p. 18-22.
- American lumberman, Nov. 21, 1908.--Passing of timber rafting, p. 31.
- American lumberman, Nov. 28, 1908.--Statistics concerning lumber production in the U. S. in 1907, p. 36-8; Forest conservation and the lumber prices, p. 50A-C.
- American lumberman, Dec. 5, 1908.--Object lesson in forest conservation generously afforded by a wealthy American, p. 33; Three days forest festival on the Biltmore estate, p. 35-7 (to be continued).

- American lumberman, Dec. 12, 1908.--The national conservation congress, p. 36-8.
- American lumberman, Dec. 12, 1908.--Alabama's timber resources, p. 30-1.
- Engineering news, Oct. 29, 1908.--Forests and floods, by H. M. Chittenden, p. 71, 78-9.
- Hardwood record, Nov. 25, 1908.--Zapote or kauri pine, p. 19-20; American hardwoods and where they are sold, p. 32-3; Wooden handles of cutlery, p. 34.
- Hardwood record, Dec. 10, 1908.--Toys, by C. Klauber, p. 19-20; Wooden limbs, p. 25-6.
- Mississippi Valley lumberman, Dec. 4, 1908.--Red cypress a wood for many uses, p. 27.
- Mississippi Valley lumberman, Dec. 18, 1908.--Lake states forestry convention, p. 36-7.
- National coopers' journal, Dec. 1908.--Methods of collecting statistics on slack cooperage stock production, p. 19-20; The conservation of natural resources, by R. S. Kellogg, p. 20-1.
- Pacific builder and engineer, Nov. 21, 1908.--Wood distillation, a report of the investigations made at Astoria, Oreg., by L. F. Hawley, p. 416.
- Pacific builder and engineer, Dec. 12, 1908.--Philippine mahogany a handsome and popular wood for interior finish, by Sutthoff, p. 436-7.
- Pacific Coast wood and iron, Dec. 1908.--A short account of the redwood and the bigtree, p. 23.
- Pulp and paper magazine, Nov. 1908.--The truth about our forests, p. 277-8.
- Southern industrial and lumber review, Nov. 1908.--Pine logging by steam, p. 53-4.
- Southern lumberman, Dec. 12, 1908.--Forestry in the President's message, p. 23-4, 31.
- U. S. daily consular report, Nov. 20, 1908.--The match industry, by J. H. Snodgrass, p. 7-8.
- West Coast lumberman, Nov. 1908.--Some things oriental, p. 91-2.
- Wood craft, Dec. 1908.--The imitation of fine woods by painting, by A. A. Kelly, p. 74-6; The making of an express wagon felloe, by C. Taylor, p. 79.
- Woodworkers' review, Dec. 1908.--Conservative lumbering in America, by J. L. Heaton, p. 414-19; The eucalyptus of California, by H. A. Crafts, p. 436-7.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, Nov. 1908.--Kostenberechnung und Beurteilung der in den Ebene anwendbaren Waldbewässerungsverfahren (Costs and results of forest irrigation experiments on lowlands), by O. B. Anderlind, p. 389-95; Forstliches Bauwesen (Forest buildings), p. 401-5; Erfahrungen im Vereinsgebiete über den Fichtenanbau unter Schirm (Experiments in cultivating spruce

- under shelter growth), by Grebe, p. 405-6; Wert der Bodenbearbeitung für den forstlichen Betrieb (Value of soil cultivation in forest management), by Sellheim, p. 406-7; Finlands Ausfuhr von Holz und Holzwaren in den letzten Jahren (Finland's export of wood and wooden-ware in recent years), by A. von Padberg, p. 413-14; Der Amerikanische Baumpflug (The American plow), by A. von Padberg, p. 414; Nachweisung über die von den Staatsforstverwaltung beschäftigten Arbeiter (Conditions of laborers employed in the state forests of Prussia), p. 415.
- Bulletin de la Société centrale forestière de Belgique, Nov. 1908.--Notes sur les bois Congolais (Notes on the woods of Congo), by E. de Wildeman, p. 741-8; La conservation des bois (Wood preservation), p. 752-4; Les ravageurs des oseraies (The insect enemies of the willows), by J. Poskin, p. 755-7.
- Centralblatt für das gesamte Forstwesen, Nov. 1908.--Über Holzhärtprüfung (Testing the durability of wood), by Janka, p. 443-56; Mitteilungen über die wichtigsten Erscheinungen auf dem Gebiete des Forstwesens seit dem 25. Juni 1907 bis heute (The most important events in forestry since June 25, 1907), by Böhmerle, p. 467-76; Die Nonne im Forstbezirke Romotau (The nun moth in the Romotau forest district), by L. Cermal, p. 476-9.
- Forest leaves, Dec. 1908.--Inequitable taxation of standing timber, p. 181-2; Pine trees reclaim abandoned farms, p. 182-3; What is practical forestry, by S. B. Elliott, p. 183-9.
- Forstwissenschaftliches Centralblatt, Nov. 1908.--Die Naturverjüngung (Natural regeneration), by Wagner, p. 565-73; Neue Ziele und Methoden der Forsteinrichtung (New methods and aims in forest management), by I. P. Frey, p. 573-81; Die räumliche Ordnung im Walde (Arrangement of cuttings in the forest), by Eulefeld, p. 582-4; Eine Böschungsformel (A formula for measuring slopes), by Artopoeus, p. 584-7; Der Forstmeister Weber'sche Waldgrubber in praktischer Verwendung (Weber's forest grubber in practical use), p. 587-90.
- Indian forester, Nov. 1908.--Indian famines and Indian forests, p. 633-52; Fire protection on the ticket-patrol system, by D. N. Avasia, p. 653-7; The danger of the formation of pure forests in India, by E. P. Stebbing, p. 665-9; The coming timber supply, by A. Hamilton, p. 688-91.
- Revue des eaux et forêts, Nov. 15, 1908.--Le Phoma abietina maladie parasitaire des branches de sapin (The Phoma abietina, a parasite found on fir branches), by A. Fron, p. 609-25; Le problème de l'influence de la forêt sur l'inondation, au Congrès de Milan 1905 (The problem of the influence of forests on inundations discussed at the Milan congress 1905), by L. F. Tessier, p. 641-54; Situation forestière de la province de Québec (Forest conditions in Quebec), by G. C. Piché, p. 654-63; Étude sur deux places de production (Study of two production sites), by E. Cuif, p. 673-87; Doit-on élaguer les résineux (Should conifers be pruned), by A. Mena, p. 688-91.

Schweizerische Zeitschrift für Forstwesen, Oct. 1908.--Die wissenschaftliche und praktische Fortbildung der schweiz. Forstbeamten (The scientific and practical education of Swiss foresters), by Biolley, p. 281-6; Etwas von der Buche im Plenterwald (The beech in selection forest), p. 298-9.

Southern woodlands, Dec. 1908.--The duty of a state in regard to forestry, by A. Akerman, p. 85-95; Some rare or otherwise interesting trees recently observed in the western parts of Georgia, by R. M. Harper, p. 96-100.

Zeitschrift für Forst- und Jagdwesen, Nov. 1908.--Einfluss unserer Kulturmethode auf das Absterben der Kiefer (Influence of German methods on the dying out of pine), by Splettstösser, p. 689-711; Rohhumusverwendung in der Praxis (The practical use of raw humus as a fertilizer), by H. Mantel, p. 744-7; Forstliches aus Deutsch-Ostafrika (Forestry in German East Africa), p. 747-50.

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- Forst-und Jagd-Kalender (Forest and hunting calendar).
Vol. 37, pt. 1, 1909. 132 p. J. Springer, Berlin.
Taschenkalender für den Forstwirt für das Jahr 1909 (Pocket
calendar for silviculturists for 1909); G. Hempel.
1908. 328 p. M. Perles, Wien.

FOREST BOTANY

- Botanical features of North American deserts; D. T.
MacDougal. 1908. 111 p. Illus. Carnegie Institu-
tion, Washington, D. C.
Guide to the trees and shrubs of Minnesota; F. E. Clements.
1908. 28 p. University of Minnesota, Minneapolis.
Iconographie des essences forestières du Japon (Representa-
tions of the tree species of Japan); H. Shirasawa.
Vol. 2, 1908. 74 colored plates. Direction des
forêts, Tokio.

SILVICS

- Wasservorrat und Wasserbewegung im Waldboden (Water supply
and the movement of water in forest soils); A. Bühler.
17 p.

EDUCATIONAL

- India-Imperial forest college, Dehra Dun. Progress report
for 1907-1908. 1908. 24 p. Calcutta.

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Forst und Jagd-Kalender (Forest and Hunting Calendar).
Vol. 37, pt. 1, 1907. 132 p. J. Springer, Berlin.
Fischkalender für den Forstwirtschaft für das Jahr 1908 (Fishes
Calendar for Silviculturists for 1908); G. Hempel.
1908. 328 p. M. Perles, Wien.

BEST BOTANY

Botanical Features of North American Genera; D. T.
MacDougal. 1908. 111 p. illus. Carnegie Institute
of Washington, D. C.
Guide to the trees and shrubs of Minnesota; F. E. Wilmont.
1908. 28 p. University of Minnesota, Minneapolis.
Leontopodium des essences forestières du Japon (Resistant
forms of the tree species of Japan); H. Shizawa.
Vol. 2, 1908. 74 colored plates. Direction des
Forêts, Tokio.

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Wassertransport und Wasserbewegung im Waldboden (Water supply
and the movement of water in forest soils); A. Böhler.
17 p.

NATIONAL

India-Imperial Forest College, Delhi. Progress report
for 1907-1908. 1908. 24 p. Calcutta.

FOREST MANAGEMENT

Organization and Administration

Report of the forester for 1908; G. Pinchot. 1908.
44 p. Forest service.

Finance

Forest taxation; F. R. Fairchild, A. C. Shaw and B. E. Fernow. 1908. 42 p. International tax association, Columbus, O.

UTILIZATION

Products

Paper-making materials and their conservation; F. P. Veitch. 1908. 20 p. Circular 41, Bureau of chemistry.

Wood Preservation

Artificial preservation of timber; H. V. Radford. 1908. 14 p. Illus. New York forest, fish and game commission, Alabama, N. Y.

FOREST LAWS

Code forestier (Forest law); G. Griolet & C. Vergé. 8th ed., 1909. 279 p. Bureau de la jurisprudence générale Dalloz, Paris.

PROCEEDINGS OF ASSOCIATIONS

Badischer Forst-Verein. Bericht über die 50. Versammlung (Report of the 50th meeting of the forestry society of Baden). 1908. 69 p. Freiburg i. Br.

STREET AND PARK TREES

Report on the trees of Fairmount park. 1908. 52 p. Illus. Commissioners of Fairmount park, Phila.

FOREST ENEMIES

Insects

Natural history, organization, and late development of the Teredinidae or ship-worms; C. P. Sigérfoos. 1908. 41 p. Illus. Bureau of fisheries, Washington, D. C.

FOREST MANAGEMENT

Organization and Administration

Report of the Forester for 1908, D. P. ... 1908

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Forest taxation; W. A. ... A. C. Shaw and H. E. ... 1908

Education

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Forest making materials and their conservation; F. P. ... 1908

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Artificial preservation of timber; H. V. ... 1908

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Code for forest (Forest law); G. ... 1908

FORESTERS OF ASSOCIATIONS

Report of the 50th meeting of the forestry society ... 1908

FOREST AND PARK TREES

Report on the trees of ... 1908

Forest History

History of the ... and its development of the

DEFORESTATION

Influence of deforestation and of the drying up of marshes on the sphere of influence and on the performance of the rivers; reports of J. Riedel, J. Wolfshütz, H. N. R. Lafosse, Ponti, E. Lauda, V. Lokhtine, C. Cipolletti, and H. Keller, before the Permanent international association of navigation congresses, Milan, 1905. Brussels.

GRAZING

Preliminary report on grazing experiments in a coyote-proof pasture; J. T. Jardine and F. V. Coville. 1908. 32 p. Illus. Circular 156, Forest service.

IRRIGATION

Home-making by the Government; an account of the eleven immense irrigating projects to be opened in 1908; C. J. Blanchard. 1908. 38 p. Illus. From national geographic magazine, Washington, D. C.

NATURAL RESOURCES

The conservation idea as applied to the American society of mechanical engineers; M. L. Holman. 1908. 41 p. American society of civil engineers, N. Y.

PERIODICALS

General

- American cultivator, Jan. 6, 1909.--Careful wood cutting, p.1.
Canadian magazine, Dec. 1908.--Bunks of the old sleigh-bobs, by A. Bridle, p. 167-75.
Century magazine, Jan. 1909.--The endangered valley; the Hetch-Hetchy valley in the Yosemite national park, by J. Muir, p. 464-9.
Conservation, Jan. 1909.--The joint conservation conference, p. 1-47; The rivers and harbors congress; fifth annual session, p. 48-53.
Country life in America, Dec. 1908.--How to recognize the different kinds of evergreens, by J. E. Rogers, p.176.
Country life in America, Jan. 1909.--The income of a timber lot, by W. H. Jenkins, p. 248; What England can teach us about landscape gardening, by W. Miller, p. 265-8; A plea for evergreen hedges, by P. Snyder, p. 274-5.

Forest and stream, Jan. 9, 1909.--Conference on forest fires, p. 58-9.

Garden magazine, Feb. 1909.--English effects with hardy trees, by W. Miller, p. 23-6.

Gardeners' chronicle, Nov. 21-28, 1908.--Deforestation in New Zealand, by L. S. Gibbs, p. 355-6, 375-6.

Journal of American leather chemists' association, Jan. 1909.--Forestry, by H. S. Graves, p. 9-24.

McClure's magazine, Jan. 1909.--Wild horses, by W. C. Barnes, p. 285-94.

National geographic magazine, Jan. 1909.--Lessons from China; extract from the President's message, by T. Roosevelt, p. 18-19; The value of the United States forest service, p. 29-41.

Outlook, Dec. 19, 1908.--Forest fires and their prevention, by A. L. Donaldson, p. 876-8.

Review of reviews, Jan. 1909.--State control of water-power, by C. E. Lakeman, p. 57-62; Gifford Pinchot and his fight for our national resources, by H. Thomas, p. 88-9.

Scientific American supplement, Jan. 2, 1909.--Destructive marine wood borers, by C. M. Ripley, p. 12.

Suburban life, Jan. 1909.--The passing of the chestnut tree, by W. A. Murrill, p. 26-7; The lesson of the forest fires, by A. H. Noyes, p. 42.

Success magazine, Jan. 1909.--When the wood is gone, by R. Phillips, p. 19-20, 47-9.

Torrey, Dec. 1908.--The cedar of Lebanon, by Mary P. Anderson, p. 287-92.

Trade Journals and Consular Reports

American lumberman, Dec. 26, 1908.--Efforts made to increase Wisconsin forest reserves, p. 53.

American lumberman, Jan. 2, 1909.--The timber problem and proceeds in Minnesota, by S. G. Iverson, p. 53; Forestry put into practice, by L. A. Kelsey, p. 71.

American lumberman, Jan. 16, 1909.--Plain talk on perpetuation of forests and what it involves, p. 31; Creosoted wood as a paving material, p. 33; Suggested standard rules for grading vehicle wheel hickory wood stock, p. 44; Lumber trade in Germany, p. 50 D.

Engineering news, Oct. 22, 1908.--The open-tank method of preserving timber, by H. F. Weiss, p. 457-8.

Engineering news, Dec. 31, 1908.--Wood preservation by the open tank process, by E. F. Hartmann, p. 740-2.

Engineering record, Dec. 5, 1908.--A successful low timber dam, by O. K. Parker, p. 645-6.

Engineering record, Dec. 12, 1908.--Cost of wood pavements in Paris, p. 674.

Hardwood record, Dec. 25, 1908.--Brazilian hardwoods, by R. Grimshaw, p. 19; Utilization of hardwoods; wagons, by G. D. Crain, p. 20-2.

Hardwood record, Jan. 10, 1909.--Necessity of solving sundry hardwood lumber problems, p. 19-20; Utilization of hardwoods; bedroom suites, by C. Boyle, p. 21-3; Quarter sawing of oak, p. 25; An analysis of Kentucky's forestry needs, by J. B. Atkinson, p. 26.

Lumber trade journal, Jan. 1, 1909.--The taxation of forests, p. 12-13.

Ohio architect and builder, Dec. 1908.--President Roosevelt pleads for the preservation of American forests, p.13-18.

Pacific lumber trade journal, Dec. 1908.--Do forest reserves retard state?, by E. T. Allen, p. 25-7.

Railway and engineering review, Jan. 1909.--The world's supply of timber, p. 14-15.

Southern lumberman, Dec. 26, 1908.--Forests should be taxed on yield, p. 45-6; What is palmetto good for?, p. 47; Growing importance of cypress, p. 51; The use of oak for flooring, by W. H. Ames, p. 66.

Timberman, Dec. 1908.--An overhead cable system, by F. V. Drake, p. 43.

U. S. daily consular reports, Jan. 5, 1909.--Tasmanian wood, by H. D. Baker, p. 14.

U. S. daily consular reports, Jan. 15, 1909.--Siberian timber, p. 15.

U. S. daily consular reports, Jan. 19, 1909.--World rubber trade, by D. I. Murphy, p. 14-15.

Wood craft, Jan. 1909.--An illuminating inventory of national resources, by R. S. Kellogg, p. 105.

Wood-worker, Jan. 1909.--Figure in wood, by F. Tiffany, p. 36; Veneering with two woods, by L. James, p. 38-9.

Woodworker review, Jan. 1909.--Woodworking experiences in Hawaii, by H. C. Haner, p. 466-71.

Best Journals

Allgemeine Forst - und Jagd-Zeitung, Dec. 1908.--Betrachtungen über die Verwendbarkeit und Mischung der Holzarten in Schleswig-Holstein (Observations on the utilization and mixture of species in Schleswig-Holstein), by C. Emeis, p. 417-24; Nochmals das Fachwerk, by Stoetzer, p. 424-6; Form des Kiefernshaftes (Forms of pine boles), by Fricke, p. 426-9; Massnahmen zur Hebung der Privatwaldwirtschaft (Regulations for the improvement of private forest management), p. 440-2; Mitteilungen über neue Grundsätze, Erfindungen, Versuche, und Erfahrungen aus dem Bereiche des forstwirtschaftlichen Betriebes (New methods, inventions, experiments and researches in the science of forestry), by Richsteig, p. 445; Mitteilungen über Waldbeschädigung durch Insekten oder andere Tiere, Pilze usw. (Injuries to forests by insects, fungi, etc.), by Hanff, p. 445-6;

1. *Forest and Wildlife*, Jan. 19, 1907. -- Necessity of solving supply
 problems under present conditions, p. 19-20; Utilization of forest
 products, modern methods, by C. Boyl, p. 21-2; Quarter saw
 lumber, by J. B. Johnson, p. 28.
 2. *Forest Journal*, Jan. 1, 1909. -- The utilization of forests,
 p. 17-18.
 3. *Forest and Wildlife*, Dec. 1908. -- President Roosevelt's
 plan for the preservation of American forests, p. 13-16.
 4. *Forest Journal*, Dec. 1908. -- No forest reserves re-
 corded, by H. T. Allen, p. 25-7.
 5. *Forest and Wildlife*, Jan. 1909. -- The world's supply
 of timber, p. 14-15.
 6. *Forest and Wildlife*, Jan. 1909. -- The use of oak for
 the manufacture of cypress, p. 21; The use of oak for
 flooring, by W. H. Jones, p. 22.
 7. *Forest Journal*, Jan. 1909. -- An overhead cable system, by V. W. Drake,
 p. 23.
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 9. *Forest Journal*, Jan. 1909. -- Siberian timber,
 p. 16.
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 by H. I. Murphy, p. 14-15.
 11. *Forest Journal*, Jan. 1909. -- An illuminating inventory of national
 resources, by R. S. Kellogg, p. 108.
 12. *Forest and Wildlife*, Jan. 1909. -- Figure in wood, by F. Tilden, p. 26;
 Veneering with two woods, by J. James, p. 28-9.
 13. *Forest Journal*, Jan. 1909. -- Woodworking experience in
 Russia, by R. C. Warner, p. 466-71.

14. *Forest Journal*, Dec. 1908. -- *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme,
 p. 417-24; *Werkstoffe des Bauwesens (Materials of building)*, by F. W. Drake,
 p. 425-3; *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
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den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
 16. *Forest Journal*, Dec. 1908. -- *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
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den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
 18. *Forest Journal*, Dec. 1908. -- *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
 19. *Forest Journal*, Dec. 1908. -- *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.
 20. *Forest Journal*, Dec. 1908. -- *Einfluss der Holzarten auf die Verwendbarkeit und Mischung der Holzarten in*
den verschiedenen Holzarten (Observations on the utilization and
mixture of species in Schleswig-Holstein), by C. Emme, p. 417-24.

Welche Bedeutung hat der Humus und das Wasser für die Forstwirtschaft (What importance has humus and water in forestry), by Sperling, p. 446-9.

Bulletin de la Société centrale forestière de Belgique, Nov. 1908.--Haies ou lisières d'abri routières (Hedges or shelter belts for roadside plantations), by Van Lonkhuyzen, p. 841-5; Les conditions forestières du Canada (Forest conditions of Canada), by G. Crahay, p. 845-7.

Canadian forestry journal, Dec. 1908.--Sir Henri Joly de Lotbinière, p. 165-6; Forestry on the eastern slope of the Rockies, by H. R. MacMillan, p. 170-6; From Edmonton to the Yellowhead Pass, by A. E. Rau, p. 177-80; Height measuring instruments, by A. H. D. Ross, p. 181-5; Training forest students, by G. C. Piché, p. 186-9; Notes on Canadian forestry, etc., by S. Gagné, p. 190-204; Canada's timber area; another estimate, p. 205-6; Mr. A. T. Drummond's suggestions in regard to forest fires, p. 207-8; Forestry in Ireland, p. 209-10; Japan's forestry and her timber needs, p. 211-17.

Forestry quarterly, Dec. 1908.--An analysis of Canada's timber wealth, by B. E. Fernow, p. 337-53; The mechanical traction of sleds, by A. Williams, p. 354-62; The sawmill of the future, by E. A. Sherman, 363-9; Schedule for forest description, p. 370-82; The taxation of timber lands, by F. R. Fairchild, p. 383-6; Forest taxation and conservation as practiced in Canada, by B. E. Fernow, p. 387-92.

Forstwissenschaftliches Centralblatt, Dec. 1908.--Die Ertragsfähigkeit der badischen Domanenhochwäldungen (Yield capacity of the state high forests of Baden), by Hausrath, p. 626-37; Die Umwandlung von Eichenniederwald und Buchenkrüppelbeständen in Nadelholzhochwald (Transition of low oak-forest and dwarfed beech stands into coniferous high forest), by Uiblagger von, p. 637-55; Die Ausbildung des Forstschutz- und Betriebsvollzugs-Personales (The education of the personnel for forest protection and management), by Von Furst and Kurz, p. 669-70.

Hawaiian forester, Dec. 1908.--The harvesting of rubber in Hawaii, by R. S. Hosmer, p. 312-17; Experiments in tapping ceara rubber trees, by Wilcox, p. 318-20; The new manihots, by E. C. Waterman, p. 321-4; Report of the committee on forests of the Territorial conservation commission of Hawaii, p. 338-42; Paper on forestry read at annual meeting of Hawaiian sugar planters' association, by L. A. Thurston, p. 348-53; Paper on forestry read at the annual meeting of the Hawaiian sugar planters' association, by R. S. Hosmer, p. 353-9.

Indian forester, Dec. 1908.--Proceedings of a conference on fire conservancy held at Maini Tal, Sept. 19th and 22nd, 1908, p. 704-10; Sandalwood at low elevations, by M. R. Rao, p. 715-17; Sir H. E. Maxwell on forest resources, p. 744-7; The forest of the Ivory Coast, p. 747-9; Schools of forestry, p. 749-52; Forestry in Hungary, by J. Nisbet, p. 753-7.

- Minnesota forester, Dec. 1908.--Good advice for Minnesota, by C. W. Ward, p. 136-40; Prairie plantations, by J. P. Wentling, p. 140-3.
- Revue des eaux et forêts, Dec. 1, 1908.--Les incendies de forêts au Canada (The forest-fires in Canada), E. Piché, p. 733-6; Un beau Mélezet (A fine larch stand), p. 737-8.
- Schweizerische Zeitschrift für Forstwesen, Nov. 1908.--Entwässerung und Aufforstung nasser Flächen in Aufforstungsgebieten, by Kathriner, p. 305-12; Die Lebanon-Zeder von Hauteville bei Viris (The cedar of Lebanon of Castle Hauteville near Viris), by H. Badoux, p. 317-18.
- Transactions of the Royal Scottish arboricultural society, July, 1908.--Trees of western America, by F. R. S. Balfour, p. 121-30; A scheme for establishing a national industry in forestry, p. 135-42; Root disease in Scots pine on farm lands, by B. Ribbentrop, p. 143-9; Impressions of forestry in the Schwarzwald, by J. F. Annand, p. 159-75; Notes of silvicultural interest, by Thos. Hall, p. 176-9; Continental notes; Germany, by B. Ribbentrop, p. 180-90; The selection and training of probationers for the imperial forest service of India, by J. Nisbet, p. 191-95; The larch shoot moth, by R. S. MacDougall, p. 195-7; Under-planting, by F. Bailey, p. 198-200.
- Zeitschrift für Forst - und Jagdwesen, Dec. 1908.--Erfahrungen über den Anbau von Juglans nigra und Carya alba (Experiments in the cultivation of black walnut and shagbark hickory), by Schwappach, p. 772-6; Die Witterung in Eberswalde im Jahre 1907 (Atmospheric conditions at Eberswalde in 1907), by J. Schubert, p. 777-84; Die österreichischen Wasserstrassen und die deutsche Holzindustrie (Austrian waterways and German wood-industries), by Jentsch, p. 790-97; Die Stärkegrenzen der Grubenholzklassen (Diameter limits of mine-timbers), by Lehnpuhl, p. 805-7; Das Teakholz (Teakwood), by Jentsch, p. 807-10; Der Zoll auf lebende Forstpflanzen (The duty on living forest-plants), by Jentsch, p. 810-11.

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FORESTRY - GENERAL

Forest conservation; R. S. Kellogg. 1908. 20 p. From
Journal of New England water works association, v. 22,
no. 4.

FOREST BOTANY

Tyloses in tracheids of conifers; M. A. Chrysler. 1908.
8 p. Illus. From the New Phytologist, Oct., 1908.

SILVICS

Douglas fir; a study of the Pacific Coast and Rocky Mt.
forms; E. H. Frothingham. 1909. 38 p. Circular
150 of the Forest service.

FOREST MANAGEMENT

Planting

Little tree farms, South Framingham, Mass.; catalogue and
price-list, nurseries department; American forestry
co. 1909. 16 p. T. F. Borst, Boston, Mass.

The planting and care of trees in towns and cities; J. J.
Levison. 1908. 4 p. Southampton horticultural so-
ciety, Southampton, L. I.

Organization & Administration

A few pertinent facts concerning the Philippine forests and
needs of the Forest service, that should interest every
Filipino; G. P. Ahern. 1909. 21 p. Circular 3,
Bureau of forestry, Manila, P. I.

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

Issued March 1, 1909

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FOREST LITERATURE FOR 1908

1908

Consolidating the Literature of the Forest Service

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Published by the Forest Service, U. S. Department of Agriculture, Washington, D. C., 1908. 20 p. From
Journal of New England water works association, v. 12,

FOREST SERVICE

Notes in the field of forestry; H. A. Grisebach, 1908.
8 p. From the New England water works association, v. 12,

FOREST SERVICE

Journal of the Forest Service, U. S. Department of Agriculture, Washington, D. C., 1908. 20 p. Circular
100 of the Forest Service.

FOREST SERVICE

FOREST SERVICE

Little tree ferns, South American, Mass. Botanical and
Gardens, U. S. Department of Agriculture, Washington, D. C., 1908. 10 p. Bot. Notes.
The planting and care of trees in towns and cities; J. J.
Barton, 1908. 4 p. South American botanical notes.
Botany, Washington, D. C.

Organization & Administration

A few pertinent facts concerning the Philippine forests and
needs of the forest service, that should interest every
Philippine; G. P. Smith, 1908. 24 p. Circular 3.
Forest of forestry, Manila, P. I.

Field program for February, 1909; Forest service. 185 p.
Maine-Forest commission. 7th report, for 1907 and 1908.
1908. 103 p. Illus. Waterville, Me.
Michigan-Commission of inquiry, tax lands and forestry.
Report. 1908. 146 p. Lansing, Mich.
Rhode Island-Commissioner of forestry. 3d annual report
for 1908. 1909. 26 p. Providence, R. I.
Second annual report on forest conditions in Ohio; W. J.
Green. 1908. 20 p. Bulletin 200, Ohio agricultural
experiment station, Wooster, Ohio.
South Australia-Woods and forests department. Annual progress
report upon state forest administration for the year
1907-8. 1908. 11 p. Illus. Adelaide, S. Aust.
Wisconsin-State board of forestry. Report of the state for-
ester for 1907 and 1908. 1908. 133 p. Illus. Madison,
Wis.

Land and Forest Policy

The future use of land in the United States; R. Zon. 1909.
15 p. Circular 159, Forest service.
Report of the Committee on forestry, Maine state grange,
presented at the 35th annual session. 18 p.
Report on forest conditions in Delaware and a forest policy
for the state; W. D. Sterrett. 1908. 58 p. Illus.
Bulletin 82, Delaware agricultural experiment station,
Newark, Del.

UTILIZATION

Products

Production and consumption of basket willows in the United
States for 1906 and 1907; C. D. Mell. 1909. 14 p.
Circular 155 of the Forest service.

STATISTICS

Cross-ties purchased, 1907. 1908. 6 p. Forest products
no. 8, Bureau of the census.
Production of tight cooperage stock, 1907. 1908. 11 p.
Forest products no. 6, Bureau of the census.
Wood distillation, 1907. 1908. 8 p. Forest products
no. 7, Bureau of the census.

STREET AND PARK TREES

Shade trees; E. A. Start and others. 1908. 64 p. Illus.
Bulletin 125, Massachusetts agricultural experiment
station, Amherst, Mass.

Wald program for February, 1907; Forest service, 188 p.
 Maine Forest Association. 7th report, for 1907 and 1908.
 1908. 103 p. Maine. Waterville, Me.
 American Commission of Inquiry, for lands and forestry.
 1908. 146 p. Lansing, Mich.
 Rhode Island Commission of Forestry. 3d annual report
 for 1908. 1909. 26 p. Providence, R. I.
 Second annual report on forest conditions in Ohio. W. J.
 Green. 1908. 28 p. Bulletin 300, Ohio Agricultural
 Experiment Station, Wooster, Ohio.
 South Australia: Woods and forests department. Annual progress
 report upon state forest administration for the year
 1907-8. 1908. 11 p. Adelaide, S. Aust.
 Wisconsin State Board of Forestry. Report of the state for-
 ester for 1907 and 1908. 1908. 133 p. Madison,
 Wis.

Land and Forest Policy

The future use of land in the United States; R. S. Sauer. 1909.
 18 p. Circular 159, Forest service.
 Report of the Committee on Forestry, Maine state senate,
 presented at the 53th annual session. 1909.
 Report on forest conditions in Delaware and a forest policy
 for the state. W. D. Stewart. 1908. 28 p. Dover,
 Bulletin 301, Delaware Agricultural Experiment Station,
 Newark, Del.

Statistics

Production and consumption of basket willows in the United
 States for 1906 and 1907; C. D. Kell. 1909. 14 p.
 Circular 155 of the Forest service.

Timber

Timber 1906 purchased, 1907. 1908. 5 p. Forest products
 No. 3, Bureau of the census.
 Production of light cooperage stock, 1907. 1908. 11 p.
 Forest products No. 3, Bureau of the census.
 Wood distillation, 1907. 1908. 8 p. Forest products
 No. 7, Bureau of the census.
 Timber and bark trees
 Rhode Island: E. A. Stuart and others. 1908. 64 p. Providence,
 Bulletin 150, Massachusetts Agricultural Experiment
 Station, Amherst, Mass.

DREST ENEMIES

Insects

- The catalpa midge; H. A. Gossard. 1908. 13 p. Illus. Bulletin 197, Ohio agricultural experiment station, Wooster, Ohio.
- On some undescribed Scolytidae of economic importance from the Indian region; E. P. Stebbing. 1908. 12 p. Vol. 1, pt. 1, Forest zoological series, Indian forest memoirs, Calcutta.

Diseases

- Beispiele zur mikroskopischen Untersuchungen von Pflanzenkrankheiten (Examples of microscopic investigations of plant diseases); O. Appel. 2d ed., 1908. 54 p. Illus. J. Springer, Berlin.

Fire

- Short special report on forest fires in Minnesota. 1908. 20 p. Illus. Minnesota-Forestry commission, St. Paul.
- State control of forest fires; platform adopted by the American forestry association, 1909. 8 p. Washington, D. C.

IRRIGATION

- Irrigation in Wyoming; C. T. Johnston. 1909. 60 p. maps. Bulletin 205, Office of experiment stations, U. S. Dept. of agriculture.

PERIODICALS

General

- American cultivator, Jan. 23, 1909.--Assessing the forests, by F. H. Plumb, p. 2.
- American houses and gardens, Jan. 1909.--Tree doctors, by C. D. Lay, p. 40.
- Conservation, Feb. 1909.--28th annual meeting of the American forestry association, p. 63-91; Address before the joint conservation conference, by W J McGee, p. 93-4; The Woman's national rivers and harbors congress, by Mrs. L. A. Williams, p. 98-101; The Appalachian-White Mt. hearing, p. 102-4; The destruction of American forests, by R. H. D. Boerker, p. 114-16; Mr. Pinchot and the farmers, p. 119-20.

Gardeners' chronicle, Dec. 19, 1908.--The Chinese tulip-tree, p. 429.

Grizzly bear, Feb. 1909.--The redwoods of California, by H. A. Greene, p. 5.

Harper's weekly, Jan. 9, 1909.--Lumber, the industry of the northwest coast, by J. K. Mumford, p. 24-5.

Nation, Jan. 7, 1909.--Remarkable national park, by G. Edwards, p. 15.

New England magazine, Dec. 1908.--Forest situation in New England, by G. Pinchot, p. 404-5; What New England says on deferred forestry legislation, p. 405-17.

Scientific American, Dec. 19, 1908.--Destructive fungus of white cedar, p. 454.

Scientific American supplement, Nov. 21, 1908.--Short-distance transportation; a modern freight conveying system, by F. C. Perkins, p. 321-2; Concrete piles and sleepers; what concrete can do in displacing wood, by A. C. Chenoweth, p. 328-9.

World to-day, Jan. 1909.--Surgical treatment for our trees, by C. A. Sidman, p. 98-100.

World's work, Feb. 1909.--A report to the stockholders of the United States; results of the work of the National conservation commission, by A. W. Page, p. 11205-13.

Trade Journals and Consular Reports

American lumberman, Jan. 23, 1909.--Logging and logging equipment, by J. H. Dickinson, p. 46-7; Forest conservation in yellow pine, by J. B. White, p. 52-4; Address before Yellow pine manufacturers' association, by R. S. Kellogg, p. 57; Steam log loaders; their place in modern logging, by F. B. N., p. 65.

American lumberman, Jan. 30, 1909.--Why American lumber industry needs protection; a concise and able review of logging affairs in Washington, p. 41-2; Canada's lumber trade relations with the United States, p. 43.

American lumberman, Feb. 6, 1909.--Side lights on lumbering, by G. S. Long, p. 45-6; Piling and burning brush caused by logging operations, by E. S. Bruce, p. 53; Report of Minnesota tax commission on log and timber taxation, p. 54-5.

American lumberman, Feb. 13, 1909.--Unfounded statements regarding effects on lumber tariff removal, p. 42-3; Present quality of Michigan lumber product compared with that of a decade ago, by J. von Platen, p. 44; The manufacture and uses of cypress, by H. von Schrenk, p. 58 A-B; Hardwood flooring, by F. I. Nichols, p. 58 D; The Forest service and the lumber manufacturer, by R. S. Kellogg, p. 62; The work of the North Idaho forestry association, by A. W. Laird, p. 63.

American chronicle, Dec. 12, 1908. -- The Chinese
 chronicle, Feb. 1909. -- The records of California, by
 H. A. Greene, p. 3.
 Farmer & weekly, Jan. 2, 1902. -- Farmer, the industry of the
 Northwest coast, by J. A. Mumford, p. 24-2.
 Nation, Jan. 7, 1902. -- National National park, by S.
 Henshaw, p. 10.
 New Island magazine, Dec. 1908. -- Forest situation in New
 England, by A. Linhart, p. 40-3; What New England says
 on deforested territory, p. 40-17.
 National American, Dec. 12, 1908. -- Destructive forces of
 fire, by J. A. Mumford, p. 40-17.
 No. 1, the American, Nov. 21, 1908. -- Forest
 situation in the Northwest, by J. A. Mumford, p. 24-2.
 and elsewhere; what concrete can be in the forest wood,
 by A. C. Chomewick, p. 25-8-9.
 North to day, Jan. 1909. -- Surgical treatment for our trees,
 by D. A. Sloman, p. 25-100.
 World's work, Feb. 1909. -- A report to the stockholders of
 the United States Forest Service, by A. W. Lane, p. 12-15-16.
 connection, by A. W. Lane, p. 12-15-16.

Forests and Forestry Reports

American lumberman, Jan. 23, 1908. -- Logging and logging equip-
 ment, by J. E. Nicholson, p. 42-7; forest conservation
 in yellow pine, by J. E. Nicholson, p. 42-4; timber before
 yellow pine manufacturers' association, by E. E. Killion,
 p. 47; Steep log loaders; their place in modern logging,
 by E. E. Killion, p. 48.
 American lumberman, Jan. 30, 1908. -- The American lumberman's
 eye needs protection; a concise and able review of logging
 safety in Washington, p. 41-2; Canada's timber trade
 relations with the United States, p. 43.
 American lumberman, Feb. 6, 1909. -- Side lights on logging,
 by G. A. Lodge, p. 42-6; Killing and burning other kinds
 by logging operations, by E. E. Bruce, p. 55; Report
 of Minnesota tax commission on log and timber taxation,
 p. 54-5.
 American lumberman, Feb. 13, 1909. -- Unpublished statements re-
 garding effects on timber tariff removal, p. 42-3.
 Present quality of Michigan lumber product compared
 with that of a decade ago, by J. von Schantz, p. 44;
 the manufacture and uses of spruce, by H. von Schantz,
 p. 45 A-B; Michigan logging, by J. I. Nicholson, p.
 46 B; The forest service and the lumber manufacturer,
 by E. E. Killion, p. 62; The art of the North woods,
 forestry association, by A. W. Lane, p. 63.

- Carriage and wagon builder, Jan. 1909.--Comparative strength values of green and dry hickory, by T. A. Newlin, p. 19.
- Carriage monthly, Feb. 1909.--Vehicle wheel hickory wood-stock; recommendation for standard grading rules, p. 335-7; The world's greatest white oak, by J. Maris, p. 354-6.
- Engineering news, Dec. 17, 1908.--Automatic devices for measuring water used for irrigation, by F. W. Hanna, p. 666-8.
- Engineering news, Dec. 24, 1908.--Forests, snowfall and stream flow in the mountains of Wyoming, by C. T. Johnston, p. 720-1.
- Hardwood record, Jan. 25, 1909.--Utilization of hardwoods; mantels, p. 21-2.
- Hardwood record, Feb. 10, 1909.--Utilization of hardwoods; office filing cases, p. 20-1.
- Journal of electricity, power and gas, Jan. 23, 1909.--High timber dams in California, by E. M. Chandler, p. 62-3.
- Journal of electricity, power and gas, Feb. 13, 1909.--Forest service telephone lines in Oregon and Washington, by W. E. Herring, p. 117-18.
- Mining world, Feb. 6, 1909.--An improved method of timbering workings, by M. Schwerin, p. 281-2.
- Mississippi valley lumberman, Jan. 22, 1909.--The conquest of the giants; how the big trees of the Pacific northwest are brought to the saw, by E. J. Jones, p. 42-3.
- Mississippi valley lumberman, Jan. 29, 1909.--Standard specifications for bridge and trestle timbers, p. 33-4.
- Mississippi valley lumberman, Feb. 12, 1909.--Where and how to tax timber, p. 22; The forest problem of the future, by T. B. Walker, p. 24-5; Tariff revision; its effect on the lumber industry, by V. H. Beckman, p. 29-30; Retail lumberman and forestry, by R. S. Kellogg, p. 31-2.
- New York lumber trade journal, Feb. 1, 1909.--The history and development of steam logging, by J. H. Dickinson, p. 30-1.
- Pacific lumber trade journal, Jan. 1909.--Forest preservation and the tariff, by G. H. Emerson, p. 23; Paper on conservation and Pacific Coast forestry, by F. H. Lamb, p. 27-8; Advance in forestry education, by F. G. Miller, p. 48.
- Paper mill, Jan. 23, 1909.--Flax straw for pulp, by H. Blin, p. 30-2; Bagasse for paper, p. 12; To test oellstuff; a German engineer gives information that may be of value to practical paper makers, p. 22.
- Paper mill, Feb. 6, 1909.--The process of wood cellulose manufacture, by A. Klein, p. 90-6; Paper making from the tree to the trade, p. 105-10; Maine forests and public forest policy, by A. Cary, p. 122-8.
- Paper mill, Feb. 13, 1909.--Pulp wood figures; those which the Canadian government has gathered, p. 6, 34.
- Paper trade journal, Jan. 21, 1909.--Paper from marsh grass, by J. S. Remington, and others, p. 42, 46.
- St. Louis lumberman, Jan. 15, 1909.--To promote forestry, check fires and reform taxes, p. 62-3; Mr. McLeod on stumpage cost in lumber cut, p. 65; Report of the Conservation commission of Missouri, p. 11-3.

- St. Louis lumberman, Feb. 1, 1909.--Conserving our natural resources, by H. E. Hardtner, p. 61; Public interest in the lumber industry, by R. Fullerton, p. 72-4.
- Southern lumberman, Jan. 23, 1909.--More soda treatment of sap timber; steaming of timbers, p. 29; Forest service and its work, by M. B. Cline, p. 34-5; Review of the Biltmore forest festival, by J. W. Judd, p. 55-6.
- Southern lumberman, Jan. 30, 1909.--Quarter sawing by country mills, p. 25-6; Forestry, fires and taxation, by J. E. Rhodes, p. 32-3; Forest conservation in yellow pine, by J. B. White, p. 41-3; Hardwood development, by W. B. Townsend, p. 46 B-C; Grading of hardwood lumber, by W. E. Delaney, p. 46 C; A talk from the forest, by C. A. Schenck, p. 46 D.
- Timberman, Jan. 1909.--Coast conservation association, p. 34-5; A lumberman's oriental visit, by O. M. Clark, p. 36-7; Forestry and lumbering in Japan, by N. B. Eckbo, p. 65; Australian timber resources, p. 66-7; Timber resources of Mexico, by J. S. McCaughan, p. 71.
- Timber trade journal, Jan. 23, 1909.--The proposed afforestation scheme in Great Britain, p. 119-21.
- U. S. daily consular reports, Feb. 11, 1909.--Safeguarding wood against ants, by J. de Olivares, p. 13.
- U. S. daily consular reports, Feb. 18, 1909.--Afforestation in Great Britain, by R. J. Wynne, p. 14.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, Jan. 1909.--Deutsche Forstwirtschaft in Rumänien (German forestry in Roumania), by Stockhausen, p. 1-16; Zur forstlichen Unterrichtsfrage (On the question of forest education), by H. Weber, p. 17-29.
- Arboriculture, Jan. 1909.--Navigation of western rivers, p. 3-17; Talks of trees, by J. B. Atkinson, p. 17-20.
- Bulletin de la Société centrale forestière de Belgique, Jan. 1909.--Commerce d'importation et d'exportation des bois en 1907 (Imports and exports of wood in 1907), p. 2-12; La régénération de l'épicéa (The regeneration of spruce), by A. Poskin, p. 12-24; Cryptorhynchus lapathi, by Vanhoudenhove, p. 24-7; Races du pin sylvestre ordinaire (Common varieties of Pinus sylvestris), by J. Pollet, p. 46-9.
- Centralblatt für das gesamte Forstwesen, Dec. 1908.--Über die Dickenwachstumsenergie einiger Waldbäume (On the energy of the diameter growth of certain forest trees), by J. Friedrich, p. 482-98; Die Symboise der Ambrosiakäfer mit Pilzen (The symbiosis of ambrosia beetles with fungi), by F. Knauer, p. 498-501.
- Forest leaves, Feb. 1909.--Progress of forestry in Pennsylvania and forest fire ravages in 1908, by R. S. Conklin, p. 2-5; Narrative of the annual meeting of the Pennsylvania forestry association, p. 5-12.

- Forstwissenschaftliches Centralblatt, Jan. 1909.--Ernst Ebermeyer, by L. Fabricius, p. 1-8; Zur Würdigung der forstlichen Statik (On the value of forest finance), by Martin, p. 9-23; Blenderwald oder schlagweiser Hochwald? (Selection forests, or compartment high forests?), by Wagner, p. 23-39; Die badischen Forstwartkurse (The course for forest guards in Baden), by R. Pfefferkorn, p. 39-52.
- Indian forester, Jan. 1909.--Rate of growth of forest trees in the Federated Malay States, by A. B. Murdoch, p. 9-14; Notes on the torrent training works and reboisement of mountain slopes near Interlaken, by C. E. C. Fischer, p. 14-28; Some striking facts about matches in the Philippines, by M. Dunlop, p. 28-30; Lac in the eastern Dun, U. P., by G. N. G. Young, p. 31-3; A forest tramway, by F. Moon, p. 54-6; Lebanon cedar, p. 56-7; Camphor in Ceylon, p. 58.
- Indian forest records, 1908.--Pterocarpus dalbergioides; Andaman padouk, by B. B. Osmaston, p. 239-44; A further note on the Chilgoza bark-boring beetles of Zhob, by E. P. Stebbing, p. 245-51; A note on the present position and future prospects of the cutch trade in Burma, by R. S. Troup, p. 253-63; A note on the manufacture of camphor from Blumea balsamifera, by P. Singh, p. 265-86.
- Quarterly journal of forestry, Jan. 1909.--Forestry exhibits at the Scottish national exhibition, 1908, by G. Cadell, p. 1-5; Planting on the Weald, by W. Somerville, p. 5-13; The effects of over-thinning and ground moisture upon the growth and value of plantations, by J. C. Archibald, p. 13-19; Recent progress in afforestation, by A. P. Grenfell, p. 21-31; Tree planting in towns, by W. R. Fisher, p. 31-4; Forestry excursion to Denmark, by A. Henry and others, p. 66-91; Afforestation in the British Isles, p. 97-8.
- Revue des eaux et forêts, Jan. 1909.--La capacité rétentionnelle de la forêt (The capacity of the forest for retaining moisture), by P. Buffault, p. 33-44.

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CURRENT LITERATURE FOR MARCH

1909

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FORESTRY-GENERAL

Address before the governors, state and national conservation commissions, Wash., D. C., Dec. 10, 1908; R. Smoot. 1908. 5 p. Senate document 593, 60th congress, 2d session.

MANUALS OF FORESTRY

Waldbau auf naturgesetzlicher Grundlage (Silviculture founded on natural laws); H. Mayr. 1909. 568 p. Illus. P. Parey, Berlin.

ENCYCLOPEDIAS, DICTIONARIES AND CALENDARS

Forst-und Jagd-Kalender (Forest and hunting calendar.) Vol. 37, pt. 2, 1909. 890 p. J. Springer, Berlin.

FOREST BOTANY

The distribution of woody plants in the Pike's Peak region; E. C. Schneider. 1909. 33 p. Colorado College, Colorado Springs, Colo.

The timber trees, timber and fancy woods, as also the forests, of India and of eastern and southern Asia; E. G. Balfour. 1862. 358 p. Cookson and company, Madras.

Forest Geography

Der Wald und die Alpenwirtschaft in Österreich und Tirol (The forests and pastures of the Alps in Austria and Tirol); A. von Kerner. 1908. 178 p. Gerdes and Hödel, Berlin.

UNITED STATES DEPARTMENT OF AGRICULTURE

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FOREST SERVICE FOR MARCH

1909

Published by the Librarian of the Forest Service

NEW PUBLICATIONS

Address before the Governors, State and National Association
Commissioners, Wash., D. C., Dec. 10, 1908; R. Smith, 1908.
R. P. Smith, 1908; 20th Congress, 2d session.

NEW PUBLICATIONS

Wilson and Naturalists' Grange (Silviculture founded
on natural laws); H. Mayr, 1908. 500 p. 11 in.
A. Forey, Berlin.

NEW PUBLICATIONS AND CATALOGUES

Forest and Land-Management (Forest and Hunting catalogues); Vol.
27, p. 2, 1909. 500 p. 11 in. Berlin.

NEW PUBLICATIONS

The description of woody plants in the Pine's Park region;
E. G. Schindler, 1909. 35 p. Colorado College, Colo.
The forest, timber and sandy woods, as also the forests;
of India and of eastern and southern Asia; E. G. Schindler.
1909. 255 p. Cochen and company, Berlin.

NEW PUBLICATIONS

On the life and the development of the forest and the
forest and pasture of the Alps in Austria and Italy;
A. von Kerner, 1908. 175 p. Götting and Berlin.

Licht-und Shattholzarten (Light demanding and shade enduring tree species); A. Cieslar. 1909. 21 p.
W. Frick, Wien.

Stream Flow

Forests and the cost of textile production; W. W. Ashe.
1908. 11 p. Raleigh, N. C.

FOREST MANAGEMENT

Die Hauptgrundsätze des Forstbetriebes für den waldbesitzenden Landwirt (The fundamental principles of forest management for farmers owning forest lands); A. Henze.
1908. 115 p. Illus. M. Jänecke, Hanover.

Surveying and Mapping

Forest survey of Litchfield and New Haven counties, Conn.; A. F. Hawes and R. C. Hawley. 1909. 47 p. Illus.
Bulletin 162, Connecticut agricultural experiment station, New Haven, Conn.

Planting

Die Aufforstung der unrentablen Flächen des landwirtschaftlichen Kleinbesitzes (The afforestation of unremunerative tracts of small land owners); R. Beck. 1908.
99 p. P. Parey, Berlin.

Forest planting in western Kansas; R. S. Kellogg. 1909.
51 p. Circular 161, Forest service.

Planting and care of a forest of evergreens; A. Knechtel. 1908. 8 p. Illus. Bulletin 2, Forestry branch, Dept. of the interior, Ottawa, Canada.

Second report on afforestation of the Royal commission appointed to inquire into and to report on certain questions affecting coast erosion, the reclamation of tidal lands, and afforestation in the United Kingdom. 1909. 48 p. London.

Organization and Administration

Field program for March, 1909; Forest service. 23 p.
List of standard articles of equipment, stationery, and office supplies to be procured upon requisition on the property clerk, Ogden, Utah. Edition of Feb., 1909. 10 p.
Forest service.

Forest and Wildlife Resources (Latin American and Caribbean)
The two species: A. Gieseler, 1968. 21 p.
A. Gieseler, 1968.

Forest Vices

Forests and the cost of textile production: U. V. Adams.
1968. 11 p. Raleigh, N. C.

The importance of forest resources for the development of
the economy: The fundamental principles of forest
management for forest owners (forest lands): A. Hansen.
1968. 115 p. Bonn, M. Janssen, Hannover.

Surveying and Mapping

Forest survey of the United States and New Haven counties, Conn.
A. F. Hayes and R. C. Hawley. 1909. 47 p. Illinois.
Bulletin 122, Connecticut Agricultural Experiment Station,
New Haven, Conn.

Planning

The importance of the national planning of the forest
resources (the importance of the forest resources of the
five states of small landowners): A. Gieseler. 1968.
22 p. Berlin, Berlin.
Forest planning in the United States: A. Gieseler.
21 p. Circular 151, Forest Service.
Planning and care of a forest of evergreens: A. Gieseler.
1908. 8 p. Illinois. Bulletin 2, Forestry Branch,
Dept. of the Interior, Ottawa, Canada.
Second report on afforestation of the Royal Commission on
forests in India and to report on certain questions
connected with afforestation, the reclamation of
forest lands, and afforestation in the United Kingdom.
1903. 48 p. London.

Organization and Administration

Field program for Mexico, 1909: Forest Service. 23 p.
List of standard articles of agreement, stationery, and office
supplies to be procured upon requisition on the property
of the United States. Edition of Feb. 1909. 10 p.
Forest Service.

- Massachusetts-State forester. 5th annual report, 1908.
1909. 46 p. Illus. Boston, Mass.
- New Hampshire-Forestry commission. Biennial report for the
years 1907-1908. 189 p. Illus. Keene, N. H.
- Pennsylvania-Dept. of forestry. Report for the year 1907.
1908. 197 p. Illus. Harrisburg, Pa.
- Philippine Islands-Bureau of forestry. Annual report for the
period July 1, 1907, to June 30, 1908. 1908. 26 p.
Manila, P. I.

National and State Forests

- The Dominion forest reserves; A. Knechtel. 19 p. Illus.
Bulletin 3, Forestry branch, Dept. of the interior,
Ottawa, Canada.

Finance

- Die Rentabilität des deutschen Eichenschälwalds (The profit-
ableness of German oak coppice forests); C. A. Schenck.
1896. 104 p. C. F. Winter, Darmstadt.

UTILIZATION

- The basket-willow; W. F. Hubbard and C. D. Mell, 1909. 45 p.
Farmers' bulletin 341, U. S. Dept. of agriculture.
- Basket willow culture; C. D. Mell. 1908. 10 p. Report
Pub. Co., Lebanon, Pa.
- The manufacture and uses of cypress; H. von Schrenk. 1909.
7 p. Illus. From Lumber trade journal, New Orleans.
- A Philippine substitute for lignum vitae; W. I. Hutchinson.
1908. 8 p. Bulletin 9, Bureau of forestry, Manila,
P. I.

SATISTICS

- Poles purchased, 1907. 8 p. Forest products no. 9, Bureau
of the census.

DREST LAW

- The economic problem of forest taxation; F. G. Fairchild.
1909. 15 p. From Yale review, Feb. 1909.
- Taxation of timber lands and the future lumber supply;
E. G. Scammon. 1909. 19 p.

Pennsylvania State Forester. 25th annual report, 1908.
 1909. 45 p. Harrisburg, Pa.
 New Hampshire Forestry Commission. Biennial report for the
 years 1907-1908. 183 p. Dover, N.H.
 Pennsylvania Dept. of Forestry. Report for the year 1907.
 1908. 197 p. Harrisburg, Pa.
 Philippine Islands Bureau of Forestry. Annual report for the
 period July 1, 1907, to June 30, 1908. 25 p.
 Manila, P.I.

National and State Forestry

The Dominion Forest reserves; A. Macdonald. 19 p. Ottawa,
 Bulletin 3, Forestry Branch, Dept. of the Interior,
 Ottawa, Canada.

Finance

Die Rentabilität des deutschen Reichswaldes (The profit-
 ableness of German and Russian forests) U. A. Seemann.
 1908. 104 p. G. E. Neuber, Darmstadt.

Utilization

The basket willow; W. F. Schmitt and G. B. Hall. 1909. 45 p.
 Forestry Bulletin 341, U. S. Dept. of Agriculture.
 Basket willow culture; O. C. Smith. 1908. 10 p. Report
 P.O. 60, Lebanon, Pa.
 The manufacture and uses of spruce; H. van Schoute. 1909.
 7 p. Illinois. From Forests Trade Journal, New Orleans.
 A Philippine manuscript for 1911 with W. I. Harrison.
 1909. 2 p. Bulletin 3, Bureau of Forestry, Manila.

Statistics

Sales purchased, 1907. 8 p. Forest products No. 9, Bureau
 of the Census.

Forest Law

The economic problem of forest taxation; P. G. Fairchild.
 1909. 15 p. From Yale review, Feb. 1909.
 Taxation of timber lands and the future timber supply.
 E. G. Seemann. 1908. 52 p.

PROCEEDINGS OF ASSOCIATIONS

Mitteilungen der Deutschen dendrologischen Gesellschaft
(Contributions from the German dendrological association). 1908. 285 p. Illus. Bonn - Poppelsdorf.

IRRIGATION

Irrigation in the Sacramento valley, Cal.; S. Fortier. 1909. 99 p. Illus. Bulletin 207, Office of experiment stations, U. S. Dept. of agriculture.

PERIODICALS

General

- American cultivator, Feb. 20, 1909.--Forestry for farmers, by F. L. Colby, p. 1.
Canadian magazine, March, 1909.--Our vanishing birthright, by A. H. D. Ross, p. 394-404.
Chamber of commerce bulletin, Portland, Oreg., Feb. 1909.--The lumber industry of Oregon, by A. B. Wastell, p. 48-51, 54; Oregon timber lands, by F. A. Kribs, p. 53-4.
Charities and the Commons, Feb. 6, 1909.--Effect of forests on economic conditions in the Pittsburg district, by W. W. Ashe, p. 827-32.
Conservation, March, 1909.--James Wilson, Secretary of agriculture, by T. E. Will, p. 125-32; The Sacramento valley, by F. H. Newell, p. 134-8; The Mangyanes; a problem of forest protection, by M. L. Merritt, p. 139-42; The conquest of the Colorado, by C. J. Blanchard, p. 143-7; Early cuttings in the lodgepole pine type of Rocky Mts., by E. R. Hodson, p. 148-51; The North American conservation conference, by T. Cleveland, p. 159-68.
Country life in America, March, 1909.--How to fight the elm-leaf beetle, by S. Hawley, p. 562.
Delineator, April, 1909.--Care of our trees, by G. H. Allen, p. 575.
Gardeners' chronicle, Jan. 30, 1909.--Pinus pinaster, by R. S. Lynch, p. 69.
Grizzly bear, March, 1909.--The eucalyptus situation in California, by G. B. Lull, p. 1.
Independent, Jan. 28, 1909.--The people's forest problem, p. 204-6.
Modern farming, March, 1909.--Some interesting facts regarding red wood trees, by A. D. Dart, p. 13.
Muhlenbergia, Feb. 1909.--Notes on the flora of the Pecos River national forest, by P. C. Standley, p. 17-30; The nut pine, by A. A. Heller, p. 31-5.

Nation, Jan. 28, 1909.--Pinchotism, p. 80.
 Nebraska farmer, Feb. 24, 1909.--Good trees for Nebraska; the bull or ponderosa pine; Norway poplar, or sudden sawlog, by C. S. Harrison, p. 1-2.
 Orchard and farm, March, 1909.--Seasonal information about tree planting, by J. Isaac, p. 12-13.
 Outlook, Jan. 30, 1909.--New order of things in forestry, by S. E. White, p. 253-60.
 Philippine journal of science, Dec. 1908.--The palms of the Batanes and Babuyan islands, by C. Beccari, p. 339-43; The Philippine species of Garcinia, by E. D. Merrill, p. 359-68; Philippine Ericaceae, by E. D. Merrill, p. 369-82; On a collection of plants from the Batanes and Babuyan islands, by E. D. Merrill, p. 385-442.
 Proceedings of the American railway bridge and building association, 1908.--Wood preservation by the open tank process, by E. F. Hartmann, p. 234-55; Preservation of timber; standing subject no. 5, p. 255-85.
 Technical world magazine, March, 1909.--Looting the forests, by Henry M. Hyde, p. 3-18; Smoke stack that won't emit sparks, p. 98.
 Van Norden magazine, March, 1909.--Grabbing the government land, by Angus McSween, p. 718-24.

Trade Journals and Consular Reports

American lumberman, Feb. 20, 1909.--Timber taxation problem now receiving well merited attention, p. 33; Probable effect of free lumber on the forests of the United States, etc., by R. S. Kellogg and others, p. 39-41; Causes which have led to the destruction of our forests, by T. B. Walker, p. 71-2.
 American lumberman, Feb. 27, 1909.--Relation of the lumber tariff to the value of farmers' wood lots, by J. E. Defebaugh, p. 39-40.
 American lumberman, March 13, 1909.--Gifford Pinchot, a student of the public good and a toiler for the public welfare, p. 35-6; Immunity of southern pine from damage by fire, p. 41; Forest conservation, by J. L. Kaul, p. 42.
 Barrel and box, March, 1909.--The eucalyptus, by M. D. Welch, p. 36-38; What forest conservation means, by R. S. Kellogg, p. 46-51.
 Canada lumberman, Feb. 15, 1909.--Annual review of the lumber trade, p. 16-20.
 Canada lumberman, March 1, 1909.--The forest resources of Ontario, by A. White, p. 16-17.
 Engineering news, Jan. 14, 1909.--What sometimes happens to wooden piles during driving, by J. Griggs, p. 44.

engineering news, Jan. 28, 1909.--Group of reinforced concrete buildings for a wood distillation plant, Donald, Ont., p. 89-90; A plea for wood preserving processes, by E. McSee, p. 108; Forests and snow in the high mountains of western United States, by J. Ahern and others, p. 109; Annual convention of the Wood preservers' association, p. 114-15.

engineering news, Feb. 18, 1909.--Creosoted wood block pavements, p. 176-7.

engineering news, March 4, 1909.--The relation of non-pressure processes of wood preservation to pressure processes, by W. F. Sherfesse, p. 230-2; Improved methods of bleeding pine trees for turpentine and rosin, p. 293-4.

engineering record, Jan. 16, 1909.--Irrigation in Victoria, by H. G. M'Kinney, p. 62-3.

hardwood record, Feb. 25, 1909.--Utilization of hardwoods; automobile bodies, p. 21-2; Hardwood and concrete construction, by G. Rice, p. 25.

hardwood record, March 10, 1909.--Utilization of hardwoods; plows, p. 23-4.

lumber review, March 15, 1909.--Painting and finishing of woods, by S. J. Underwood, p. 17-20.

lumber trade journal, March 1, 1909.--The question of forest taxation, p. 11-12.

mining world, Feb. 20, 1909.--Preservation of mine timbers, p. 343-4.

mining world, Feb. 27, 1909.--The wood stave pipe industry, by F. C. Baum, p. 390.

mining world, March 6, 1909.--Strength of timber vs. reinforced concrete, by E. McCullough, p. 423-4.

Mississippi valley lumberman, Feb. 26, 1909.--Exploiting Philippine hardwoods, p. 29-30.

national contractor and builder, Feb. 1909.--Modern wood staining, by E. H. Brown, p. 9-11.

pacifico coast wood and iron, March 15, 1909.--The logging operation, p. 15-17.

paper trade journal, Feb. 4, 1909.--Cornstalk and bagasse; the merits of these waste products as paper making materials, by Viggo Drewsen, p. 131-7; Canada's destiny; its future in the paper industry foreshadowed by its resources, by J. C. DeCew, p. 141-3; Economic selection, by M. L. Griffin, p. 145-6; Paper from redwood, by Allen, p. 169; Prices of paper in Turkey, p. 243-5; Taxation of forest lands, by A. C. Shaw, p. 259-61; The pulp and paper trade in Norway, p. 273-5.

Paper trade journal, Feb. 25, 1900.--Cottonseed hull fibre now available, by E. C. de Segundo, p. 24-32.

Pulp and paper magazine, March, 1909.--Attitude of paper manufacturers towards conservative forestry methods, by C. Riordon, p. 104-6.

Railway and engineering review, March 20, 1909.--Report of Committee on ties, American railway engineering and maintenance of way association, p. 257-8; Report of Committee No. 7, on wooden bridges and trestles, p. 258; Report of Committee No. 17, on wood preservation, p. 258-9.

- St. Louis lumberman, Feb. 15, 1909.--Forestry, fires and taxation, by J. E. Rhodes, p. 32-4; Saws, by H. C. Leonard, p. 34; Conservation of forests on a common sense basis, by T. B. Walker, p. 66-7.
- Southern lumberman, Feb. 27, 1909.--Economic problem of forest taxation, by F. R. Fairchild, p. 28-30.
- Southern lumberman, March 6, 1909.--Protocol drafted by conservation conference, p. 30-1; Report of the Forestry committee of the National wholesale lumber dealers' association, p. 36-7.
- Southern lumberman, March 20, 1909.--Chief forester visits Colorado; defends position of Forest Service and explains nature of its work in debate with Senator Wands before Colorado legislature, p. 29-30.
- Timberman, Feb. 1909.--Timber trade of Australia; imports and exports of timber during past five years, p. 21; Bill for reforestation of cut-over timber lands, introduced in Oregon legislature, p. 22-3; Washington forest fire association; annual report of officers, p. 32 R-S; The retailer's part in forest conservation, by W. C. Miles, p. 45-6.
- Timberman, March, 1909.--An unconstitutional timber tax, by B. Irwin, p. 24-5.
- Timber trade journal, Feb. 6, 1909.--The commercial aspect of afforestation, p. 192-3; The home of the dye wood; Siberia, p. 196.
- U. S. daily consular reports, Feb. 25, 1909.--Products of eucalyptus, by H. D. Baker, p. 13-41.
- U. S. daily consular reports, March 10, 1909.--Railways in far east, by J. E. Connor, p. 8-13; Canadian match trade, by J. E. Jones, p. 14-15.
- U. S. daily consular reports, March 13, 1909.--Conservation of forests; Canada, by H. D. Van Sant, p. 6; Conservation of forests; British India, by W. H. Michael, p. 6-7.
- U. S. daily consular reports, March 16, 1909.--Furniture in Tahiti, by J. D. Dreher, p. 9.
- U. S. daily consular reports, March 19, 1909.--The lumber industry; eastern Siberia, Germany; Asiatic Turkey; Colombia; Mexico, by L. Maynard and others, p. 1-6.
- Wood craft, March, 1909.--The Murphy method of manufacturing chairs, p. 165-9; The old and the new hardwood flooring, by F. I. Nichols, p. 177-8.
- Wood-worker, Feb. 1909.--Practical suggestions in veneering, by C. J. Thompson, p. 37-8.
- Woodworkers' review, Feb. 1909.--The oak flooring industry, p. 36-7; The valuable teak tree, p. 37-9.

... 1909. -- Forestry, timber and taxa-
tion, by J. E. Hodge, p. 11-14; Laws, by E. E. Leonard,
p. 541; Conservation of forests on a common sense basis,
by T. E. Walker, p. 65-7.
... 1909. -- Economic problem of forest
conservation, by T. E. Walker, p. 55-70.
... 1909. -- Protocol drafted by con-
servative conference, p. 30-1; Report of the forestry
committee of the National Wholesale Lumber Dealers' asso-
ciation, p. 35-7.
... 1909. -- Civil forestry, by
... 1909. -- Timber trade of Australia; imports and
exports of timber during past five years, p. 21; Bill
for reforestation of cut-over timber lands, introduced in
Oregon legislature, p. 123-5; Washington forest fire ac-
cession; annual report of officers, p. 32 H-8; The
forester's part in forest conservation, by W. O. Miles,
p. 48-6.
... 1909. -- An unconstitutional timber tax, by
... 1909. -- The commercial aspect of
afforestation, p. 128-5; The home of the wood;
Siberia, p. 128.
... 1909. -- Forestry of eu-
rope, by H. D. Baker, p. 13-14.
... 1909. -- Forestry in the
east, by J. E. Connor, p. 6-13; Canadian wood trade,
by J. E. Connor, p. 14-15.
... 1909. -- Conservation of
forests; Canada, by H. D. Baker, p. 13-14; Conservation
of forests; United States, by H. D. Baker, p. 13-14.
... 1909. -- Forestry in
Mexico, by L. Howard and others, p. 1-8.
... 1909. -- The forestry method of manufacturing
pulp, p. 155-7; The old and the new hardwood flooring,
by V. L. Nichols, p. 177-8.
... 1909. -- Practical suggestions in veneering, by
... 1909. -- The oak flooring industry, p.
... 1909. -- The virginian oak tree, p. 27-9.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, Feb. 1909.--Die Organisation des Forsteinrichtungswesens mit besonderer Rücksicht auf die Verhältnisse der preussischen Staatsforsten (Forest organization, with particular reference to the situation in the Prussian state forests), by Martin, p. 44-62.
- Bulletin de la Société centrale forestière de Belgique, Feb. 1909.--Statistique des chemins de fer de l'Etat belge au point de vue forestier (Railroad statistics of Belgium from a forester's point of view), p. 84-88; L'appauvrissement des sources dans les pays de plaines du nord de la France (The impoverishment of springs in the plains of the north of France), p. 88-92.
- Canadian forestry journal, March, 1909.--The Toronto 1909 convention, p. 1-7; The western problem, by R. H. Campbell, p. 18-22; Some notes on forestry in Ontario, p. 23-6; Game and forestry in Canada, by J. R. Dickson, p. 27-30; The Dominion forest reserves, by A. Knechtel, p. 31-47; Great Britain's afforestation scheme, p. 48-54; The conservation conference, p. 55-67.
- Centralblatt für das gesamte Forstwesen, Jan. 1909.--Licht - und Schattholzarten (Light requiring and shade enduring tree species), by A. Cieslar, p. 4-22; Moosdecke und natürliche Verjüngung (Moss cover and natural regeneration), by K. Böhmerle, p. 22-7.
- Forstwissenschaftliches Centralblatt, Feb. 1909.--Zur Bodenreinertragslehre (On the theory of the highest interest on the capital value of ground), by H. Weber, p. 67-84; Lärche und Weymouthskiefer in Oberschlesien (Larch and white pine in Upper Silesia), by Guse, p. 84-8.
- Indian forester, Feb. 1909.--The future of cutch and katha manufacture, by P. Singh, p. 68-82; Sand-binding plants, by V. S. Iyer, p. 82-97; Observations on the reproduction of Terminalia chebula in the Mahableswar range, by J. E. C. Turner, p. 97-103.
- Minnesota forester, Feb. 1909.--The summer school at Itasca Park, by Carl Hamilton, p. 15-18; Fires on our national forests, by G. E. Marshall, p. 19-23.
- Minnesota forester, March, 1909.--Lumbering in Oregon and Washington, by R. Orr, p. 28-32; The economic problem of forest taxation, p. 32-5.
- Zeitschrift für Forst-und Jagdwesen, Jan. 1909.--Die Normalertragstafeln im Dienste der Forsteinrichtung (The use of standard yield tables in forest management), by E. Ostwald, p. 14-27; Deutsche und fremde Nadelhölzer in Schleswig-Holstein (German and foreign conifers in Schleswig-Holstein), by A. Schwappach, p. 27-34; Dichte oder weitständige Kulturen (Dense or thinly stocked plantations), by Dittmar, p. 34-48; Das Sammeln von Beeren und Pilzen in den preussischen Forsten (Collecting berries and fungi in the Prussian forests), by Eberts, p. 49-54.

Walter Mulford

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CURRENT LITERATURE FOR APRIL

1909

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

The necessity for corporation forestry; E. A. Sterling.
1908. 23 p. Illus. From Proceedings of the Engineers' club of Philadelphia, vol. 25, no. 1.

MANUALS OF FORESTRY

A manual for northern woodsmen; A. Cary. 1909. 250 p.
Illus. Harvard University, Cambridge.

FOREST BOTANY

List of trees, shrubs and climbers and other plants of economic importance found in the Berar forest circle of the Central Provinces; D. O. Witt. 1908. 103 p. Government Press, Nagpur.

The pines of Mexico; G. R. Shaw. 1909. 29 p. Illus. Publication no. 1, Arnold arboretum, Boston, Mass.

El pino de Monterey (*Pinus radiata*); F. Albert. 26 p. Illus. Impr. Cervantes, Santiago de Chile.

El pino tea de las Canarias (*Pinus canariensis*); F. Albert. 1908. 36 p. Illus. Impr. Cervantes, Santiago de Chile.

Our tree lore, a guide for the woods lovers; various books appraised at their true worth. 1909. 7 p. Leaflet no. 3, Field and forest club, Boston, Mass.

Trees, a handbook of forest botany for the woodlands and the laboratory; H. M. Ward. Vol. 4, 1908. 161 p. Illus. University Press, Cambridge, Eng.

The trees of Great Britain and Ireland; H. J. Elwes and A. Henry. Vol. 4, 1909. 288 p. Illus. Privately printed, Edinburgh.

Forest Geography

Canada's fertile northland; a glimpse of the enormous resources of part of the unexplored regions of the Dominion. 1907. 139 p. Illus. Railway lands branch, Dept. of the interior, Ottawa, Canada.

FOREST MANAGEMENT

Working Plans

Forest working plan for land belonging to the city of Fall River on the North Watuppa watershed. 1909. 29 p. Illus. Massachusetts forest service, Boston.

Planting

Die neue Pflanzungs-Methode im Walde (The new method of forest planting); M. Kozesnik. 1908. 19 p. Illus. W. Frick, Wien.

Report on the reforestation of waste lands in southern Ontario, 1908. 1909. 28 p. Illus. Ontario-Dept. of agriculture, Toronto.

Organisation and Administration

Canada-Dept. of the interior-Forestry branch. Report of the Superintendent of forestry for the year 1907-8. 1909. 46 p. illus. Ottawa.

Hawaii-Board of commissioners of agriculture and forestry. 5th report for the year ending Dec. 31, 1908. 1909. 216 p. Illus. Honolulu.

Quebec-Dept. of lands and forests. Report for the 12 months ending 30th June, 1908. 1909. 216 p. Illus. Quebec.

United States-Forest service. Field program for April, 1909. 27 p.

National and State Forests

The national forests and the Forest service; D. C. Beaman. 1908. 20 p. Morning Journal Press, Albuquerque, N. Mex.

The national forests from an economic standpoint; T. Cleveland. 1909. 10 p. From Bulletin of Geographical society of Philadelphia, vol. 7, no. 1.

FINANCE

Waldwertrechnung und forstliche Statik (Forest valuation of an statics); H. Stoetzer. Ed. 4, 1908. 243 p. J. D. Sauerländers Verlag, Frankfurt a. M.

Journal of the Forestry Commission, a journal of the Forestry Commission of the Department of the Interior, Ottawa, Canada, 1907. 133 p. Illus. (Forestry Commission of the Department of the Interior, Ottawa, Canada, 1907. 133 p. Illus.)

FOREST MANAGEMENT

FOREST PLANNING

Forest working plan for land belonging to the city of Fall River on the North Katopis watershed. 1909. 22 p. (Massachusetts forest service, Boston)

Forestry in the United States, with special reference to the forest lands of the United States. 1909. 13 p. Illus.

The new silvicultural methods in the United States (The new method of forest planning). H. Henssler. 1908. 13 p. Illus.

Report on the reforestation of waste lands in southern Ontario. 1908. 28 p. Illus. (Ontario-Dept. of Agriculture, Toronto)

Organization and Administration

Canada-Dept. of the Interior-Forestry Branch. Report of the Superintendent of Forestry for the year 1907-8. 1909. 48 p. Illus. Ottawa

Hawaii-Board of Commissioners of Agriculture and Forestry. Report for the year ending Dec. 31, 1908. 1909. 210 p. Illus. Honolulu

United-Dept. of Lands and Forests. Report for the 12 months ending 30th June, 1908. 1909. 216 p. Illus. Ottawa

National and State Forests

The National Forests and the Forest Service. D. C. Beaman. 1907. 120 p. (National Forest Service, Washington, D. C.)
The National Forests from an economic standpoint. T. Clute. 1909. 10 p. (The Bulletin of Geographical Society of Philadelphia, vol. 7, no. 1)

Silviculture and Forestry in the United States. H. Henssler. 1908. 216 p. Illus. (The Bulletin of Geographical Society of Philadelphia, vol. 7, no. 1)

TATISTICS

Forest products of the United States, 1907. 1909. 122 p.
Forest products no. 10, Bureau of the census.

OREST ENEMIES

Diseases of Trees

Filling tree cavities; J. J. Levison. 1909. 3 p. Illus.
Dept. of parks, Brooklyn, N. Y.

EFORESTATION

Deforestation, drainage and tillage, with special reference
to their effect on Michigan streams; R. E. Horton.
23 p. maps. The author, Albany, N. Y.

ONSERVATION OF NATURAL RESOURCES

Conference of governors. Proceedings, May 13-15, 1908.
1908. 451 p. Govt. printing office, Wash., D. C.
Conservation of Hawaii's natural resources. 1909. Board
of commissioners of agriculture and forestry of the
Territory of Hawaii, Honolulu.
Conservation of our forests; the tariff as related to the
conservation of our forests; the forest problem of
the future; T. B. Walker. 1909. 26 p.
Wisconsin-Conservation commission. First report. 1909.
63 p. Madison, Wis.

RAZING

Suggestions for the collection of range plant specimens on
national forests. 1908. 3 p. Forest service.

RRIGATION

Reclaiming the desert; C. J. Blanchard. 1909. 10 p.
Illus. From Bulletin of Geographic society of Phila-
delphia, vol. 7, no. 1.

LEARING OF LAND

The cost of clearing logged-off land for farming in the Pacific
northwest; H. Thompson, 1909. 16 p. Illus. Circular
25, Bureau of plant industry, U. S. Department of agri-
culture.

LAW (Books not on file in the Library)

The control of public utilities, in the form of an annotation of the Public service commission law of the state of New York; Wm. M. Ivins, and Herbert D. Mason. 1149 p. Baker, Voorhis & Co., N. Y.

History and law of the foreshore and seashore; Moore.

Martin's mining law and Land office procedure with statutes and forms; Theodore Martin. 1908. 980 p. Bender-Moss Co., San Francisco.

Recent decisions of Supreme Court on rate regulation; gas and electric lighting rates; cases of Knoxville Water Co. and Consolidated Gas Co.; question of reasonable return; valuation and depreciation; franchise values. 1909. 26 p.

PERIODICALS

General

Conservation, April, 1909.--Work on a national forest; dealing with the frontier communities, by C. H. Shinn, p. 187-96; Ethics of the forest, by A. Erixon, p. 197-200; The world's most valuable irrigated districts, by G. E. Browne, p. 203-13; Forest preservation and electric development of water power, by Allen Hollis, p. 214-17; The conservation of world resources, by T. Cleveland, p. 218-21; The "dismal science" decadent, by T. E. Will, p. 223-5; Articles of incorporation and by-laws of the American forestry association, p. 227-9.

Country life in America, Feb. 1909.--How the founder of arbor day created the most famous western estate, by P. Morton, p. 359-64.

Garden magazine, May, 1909.--Evergreens for present planting, by J. W. Duncan, p. 228-9.

Gardeners' chronicle, March 6, 1909.--Treatment of plantations without regular thinning, by H. Rogers, p. 155.

Grizzly bear, April, 1909.--The eucalyptus industry, by F. D. Cornell, p. 10-11.

McClure's magazine, April, 1909.--A continent despoiled, by Rudolf Cronau, p. 639-48.

Munsey's magazine, April, 1909.--The elimination of waste, perhaps the greatest problem of today, by M. G. Seckendorff, p. 56-63.

Outlook, March 13, 1909.--Shall we have ugly Conservation? by J. H. McFarland, p. 594-8.

Overland monthly, April, 1909.--T. J. Gillespie and the eucalyptus industry, p. 359-60.

Review of reviews, March, 1909.--The new union among the states, by W J McGee, p. 317-21.

Review of reviews, April, 1909.--Soil erosion in the south, by W. J. Ashe, p. 439-43.

The history of public utilities in the form of an annotation
of the public service commission law of the state of New
York, by W. M. Brown, and Herbert D. Brown, 1915 p.
Baker, Thomas & Co., N. Y.
History and law of the ownership and operation of
public utilities, law and land office procedure with statutes
and forms, Theodore Tilton, 1908, 200 p. Bender-Hess
Co., San Francisco.
Recent decisions of Supreme Court on rate regulation; gas
and electric lighting rates; cases of Knoxville Water
Co. and Knoxville Gas Co.; question of reasonable
return; regulation and certification; franchise values.
1909, 200 p. D. C. 1909. San Francisco: Bender-Hess
Co. 1909. 200 p. Bender-Hess Co. 1909.

PERIODICALS

State of New York, Department of Conservation

Conservation, April, 1909.--Look on a national forest; look
in with the frontier communities, by C. H. Smith, p.
187-92; History of the forest, by A. Brown, p. 193-200;
The world's most valuable forests, by C. H. Smith, p. 201-10;
Brown, p. 203-12; Forest preservation and electric
development of water power, by Allen H. Smith, p. 213-17;
The conservation of world resources, by T. Cleveland,
p. 218-21; The "dynamite" resource, by T. K. Smith,
p. 222-2; Articles of incorporation and by-laws of the
American Forestry Association, p. 227-8.
Country life in America, Feb. 1909.--How the farmers of Arbor
Vice created the most famous western estate, by F. Morton,
p. 230-34.
Garden magazine, May, 1909.--Suggestions for present planting,
by J. V. Brown, p. 235-8.
Garden magazine, March 6, 1909.--Treatment of plantations
of the world, by J. V. Brown, p. 125.
Garden magazine, April, 1909.--The world's most valuable
forests, by C. H. Smith, p. 126-11.
Garden magazine, April, 1909.--A continent destroyed, by
E. H. Brown, p. 128-31.
Garden magazine, April, 1909.--The elimination of weeds,
by E. H. Brown, p. 132-35.
Garden magazine, April, 1909.--The present problem of today, by E. H. Brown,
p. 136-40.
Garden magazine, March 18, 1909.--Shall we have only conservation
or not? by E. H. Brown, p. 141-4.
Garden magazine, April, 1909.--The office and the
conservation industry, p. 145-50.
Garden magazine, March, 1909.--The new union across the
states, by J. V. Brown, p. 151-5.
Garden magazine, April, 1909.--Belt erosion in the south,
by J. V. Brown, p. 156-61.

- Science, March 26, 1909.--Current progress in conservation work, by W J McGee, p. 490-6.
- Scientific American, March 20, 1909.--The locust tree; an important field for investigation, p. 223.
- Scientific American supplement, Feb. 13, 1909.--Poles for power transmission, their design and strength, p. 105-6.
- Scientific American supplement, Feb. 27, 1909.--The life history of the termite, by K. Escherich, p. 136-8.
- Scientific American supplement, March 13, 1909.--Impregnation of timber, p. 162.
- Torry botanical club bulletin, March, 1909.--The study of winter buds with reference to their growth and leaf control, by E. Moore, p. 117-45.
- World's work, April, 1909.--San Francisco against the nation for the Yosemite, by F. Strother, p. 11441-6.

Trade Journals and Consular Reports

- American lumberman, March 27, 1909.--Recommended taxation policy for the timber lands of Washington, p. 32-3; The Lumberman's 1908 sawmill statistical summary, p. 39-50; Historical, literary and ceremonial relation of trees to mankind, by J. McGovern, p. 51.
- American lumberman, April 3, 1909.--Lumber cut and stocks of the United States for 1908, p. 36-7.
- American lumberman, April 15, 1909.--Burden of iniquities in the taxation of standing timber, by M. Earles, p. 45.
- Canada lumberman, March 15, 1909.--Use of Norway pine for door making, p. 18; Facts vs. Theory in modern logging, p. 22-3.
- Dixie wood-worker, March, 1909.--Mahogany is peer of decorative hardwoods, p. 7-8.
- Hardwood record, March 25, 1909.--Utilization of hardwoods; wood split pulleys, p. 27-8; Seasoned lumber, by C. Cloukey, p. 30-1.
- Hardwood record, April 10, 1909.--A cruise in the Great Smokies, p. 21-6; Utilization of hardwoods; burial cases, by C. Boyle, p. 27-8.
- Municipal journal and engineer, March 17, 1909.--Wood block paving between rails, p. 449-50.
- National coopers' journal, April, 1909.--Possibilities of Eucalyptus, by M. D. Welch, p. 9-11; Conservation of our national resources, by H. G. Herget, p. 11-12; Our timber resources, by W. Wellford, p. 12.
- Pacific Coast wood and iron, April 15, 1909.--Unjust timber land taxation, by W. J. Walker, p. 9.
- Paper mill, March 20, 1909.--Peat; its use as a paper making material, by J. S. Remington and others, p. 32; Writer in a foreign paper considers some of the various articles that might be used, p. 34.

1909, March 25, 1909. -- Current progress in conservation
 work by J. J. Moore, p. 440-441.
 Scientific American, March 20, 1909. -- The forest tree; an
 important field for investigation, p. 323.
 Scientific American supplement, Feb. 12, 1909. -- Poles for
 power transmission, their design and strength, p. 105-6.
 Scientific American supplement, Feb. 27, 1909. -- The life
 history of the carabid, by E. H. Snodgrass, p. 124-25.
 Scientific American supplement, March 13, 1909. -- The
 of timber, p. 122.
 Fort's potential and utilization, March, 1909. -- The study of
 winter birds with reference to their habits and food con-
 dition, by E. H. Snodgrass, p. 117-18.
 World's work, 1909. -- Can the mountain regions be
 for the utilization of the timber in the mountains, p. 509-51.

1909 Journals and Consular Reports

American lumberman, March 27, 1909. -- Recommended taxation
 policy for the timber lands of Washington, p. 33-35.
 The Lumberman's 1908 annual statistical summary, p. 39-50.
 Historical, literary and commercial relations
 of trees to mankind, by J. H. Moore, p. 21.
 American Lumberman, April 5, 1909. -- Lumber cut and stocks
 of the United States for 1908, p. 34-37.
 American Lumberman, April 12, 1909. -- Bureau of statistics
 in the taxation of standing timber, by M. H. Hayes, p. 48.
 Canada Lumberman, March 12, 1909. -- The of Norway pine for
 deer making, p. 141. Notes on the theory in modern forestry,
 p. 22-23.
 Dixie woodworker, March, 1909. -- Lumbering in part of records
 live hardwoods, p. 7-8.
 Hardwood record, March 23, 1909. -- Utilization of hardwoods;
 wood and pulp, p. 27-28; Seasoned lumber, by
 C. C. Clonkey, p. 30-31.
 Hardwood record, April 10, 1909. -- A review of the forest
 statistics, p. 2-3; Utilization of hardwoods; lumber
 cases, by C. C. Boyle, p. 27-28.
 Municipal Journal and Engineer, March 17, 1909. -- Good block
 paving between rails, p. 443-50.
 National copper's Journal, April, 1909. -- Forests/bilities of
 Huasteca, by M. D. Welch, p. 9-11; Conservation of our
 national resources, by H. G. Hargreaves, p. 11-12; Our tim-
 ber resources, by H. J. Vailford, p. 12.
 Pacific Coast wood and iron, April 12, 1909. -- United States
 land taxation, by W. J. Walker, p. 9.
 Paper mill, March 20, 1909. -- Forest; its use as a paper making
 material, by J. S. Hamilton and others, p. 52; Notes
 in a foreign paper concerning some of the various articles
 that might be used, p. 24.

- Paper trade journal, Jan. 14, 1909.--New fibres; an English view, p. 32.
- Paper trade journal, March 18, 1909.--Peat pulp not a success, by J. S. Remington, p. 40.
- Paper trade journal, April 8, 1909.--Maine forests and the tariff, by E. E. Ring, p. 48.
- St. Louis lumberman, March 15, 1909.--United States Forester writes a letter on the relation of the tariff to forest conservation, p. 62; Bull pine for paper-making, p. 63-4.
- Southern lumberman, April 10, 1909.--Limit of state forests in the southern Appalachian states, by W. W. Ashe, p. 28.
- Southern lumberman, April 17, 1909.--French method of turpentine, by A. L. Brower, p. 30.
- Timber trade journal, March 20, 1909.--The felted beech coccus, by S. D. Webster, p. 456; The world's timber resources, p. 458-9; Notes of a journey in Scandinavia, p. 505-24; The timber trade of the Russian Baltic provinces, p. 526-32; Review of the timber trade of Great Britain, 1908, p. 537-648; Lumber trade of Sweden in 1908, p. 654-63; Notes on different forms of power for saw mills, by M. P. Bale, p. 677-8; Woodworking machinery, etc., p. 679-747.
- Timber trade journal, April 10, 1909.--The timbers of commerce, by H. J. Elwes, p. 836-8.
- U. S. daily consular reports, April 5, 1909.--Lalang as paper material, by T. Haynes, p. 12-13.
- U. S. daily consular reports, April 12, 1909.--Christmas tree trade in Germany, Austria and the United States, by H. J. Dunlap, p. 5-8.
- U. S. daily consular reports, April 14, 1909.--Forests of India, by W. H. Michael, p. 10-11.
- U. S. daily consular reports, April 17, 1909.--Crows-foot elm, probable Australian substitute for American hickory, by A. Caldwell, p. 12-13.
- U. S. daily consular reports, April 19, 1909.--The rubber industry; Brazil, by G. H. Pickerell, p. 1-2; The rubber industry; British India, by W. H. Michael, p. 2-3.
- Wood craft, April, 1909.--Some dry-kiln notions and facts, by H. Marquette, p. 14-15; Some of the properties of wood, p. 24-5.
- Woodworkers' review, March, 1909.--The willow ware industry, by C. D. Mell, p. 83-4.

Forest Journals

Bulletin de la Société centrale forestière de Belgique, March, 1909.--Quelques expériences et observations en matière forestière (Certain experiences and observations on the subject of forestry), p. 140-50; Boisement de dunes et de bruyères en Danemark (Forestry the dunes and heaths of Denmark), by Quérivet, p. 157-64; Doit-on élaguer les résineux? (Should conifers be pruned), by A. Léna, p. 165-8.

- entralblatt für das gesammte Forstwesen, Feb. 1909.--Steuer-
fragen der Forstwirtschaft (The question of forest taxa-
tion), by J. R. von Bauer, p. 50-8; Europas Wald in
grauer Vorzeit (The forests of Europe in ancient times),
by A. Cieslar, p. 60-9; Der Wald als Stickstoffsammler
(The forest as a collector of nitrogen), p. 39-92.
- orest leaves, April, 1909.--Proposed forest taxation in Penn-
sylvania, p. 21-2; Proposed Pennsylvania forestry legis-
lation, p. 19-22; Minnesota on the taxation of timber
lands, p. 24-5; Why Pennsylvania needs forestry, by H. P.
Baker, p. 28-30.
- orstwissenschaftliches Centralblatt, March, 1909.--Hindernisse
der Naturverjüngung (Hindrances to natural regeneration),
by Wagner, p. 123-40; Eine Neuerung bei Hacker's Verschl-
werkzeugen (An innovation in lining-out apparatus), by R.
Hacker, p. 157-9.
- ndian forester, March, 1909.--Forestry education in America
and elsewhere, p. 129-33; Note on the Allapilli monorail
tramway, by J. Donald, p. 133-48; Some notes on palms,
by A. W. Lushington, p. 148-54; Light burning and natural
reproduction of sal, by S. L. Dutt, p. 154-6; Note on the
Powell wood process for preserving timber, by R. S. Troup,
p. 174-6.
- quarterly journal of forestry, April, 1909.--The economic im-
portance of judicious tree-planting for shelter by farms,
by J. S. Kerr, p. 114-25; Report on wood used at Scotch
collieries, by S. D. Dunn, p. 125-30; Pinus cembra, by
J. Morel, p. 130-4; Rhizoctonia violacea causing a new
disease of trees, by W. Somerville, p. 134-5; The Woburn
experiments on tree planting, by H. J. Elwes, p. 135-7.
- Revue des eaux et forêts, March 15, 1909.--La déforestation
(Deforestation), by M. Rothéa, p. 161-4; L'oeuvre de la
restauration forestière en Espagne (The work of reforesta-
tion in Spain), by R. Hickel, p. 166-71.
- Revue des eaux et forêts, April 1, 1909.--La loi du 31 Décembre
1906 sur la compétence des justices de paix, en matière
forestière (The law of Dec. 31, 1906, relating to the com-
petence of justices of the peace in forestry matters), by
L. Breton, p. 193-204; Essai en grand du Carbolineum
avenarius (Experiments with Carbolineum avenarius), by
E. Henry, p. 204-15.
- Schweizerische Zeitschrift für Forstwesen, Feb. 1909.--Zur
Ermittelung des laufenden Zuwachses, speziell im Plenter-
walde (Inquiry in regard to present increment, especially
in selection forests), by Christen, p. 37-4; Ueber
Lawinenverbauung an der Gotthardbahn (Damming as a protec-
tion against avalanches on the Gotthard road), by Burri,
p. 42-50.

Zeitschrift für forst-und Jagdwesen, March, 1909.--Die Frage der Waldbeliehungen durch die preussischen Landschaften (The question of forest investments in the Prussian provinces), by von der Borne, p. 141-56; Waldkultur und Wasserpflge im Harze (Forest culture and the conservation of water in the Harz Mts.), by Kautz, p. 157-77; Die Kolloide des Bodens und ihre Bedeutung für die physikalische Beschaffenheit desselben (Colloid bodies in the soil and their connection with its physical condition), by P. Ehrenberg, p. 177-85; Welche Bedeutung hat der Humus und das Wasser für die Forstwirtschaft? (The significance of humus and water in forestry), by Sperling, p. 185-91.

Legal Articles

- Cassiers' magazine, Jan. 1909.--Rate regulation of electric power; case of Columbus, O., Ry. & Lt. Co.; legal principles; economics of electric power generation; factors determining cost of electric power, by S. S. Myer, p. 402.
- Cassiers' magazine, Feb. 1909.--The white coal of Sweden; development of hydraulic power; lack of coal; water systems; development of industries; government regulation; stream measurements, by J. G. Leigh, p. 455.
- Central law journal, 1908.--Regulation of rates to be charged by public service corporations. - 1. Miscellaneous enterprises affected with a public interest. - 2. Railroad companies, by O. H. Myrick, p. 299-317.
- Columbia law review, March, 1909.--Riparian rights, a perversion of stare decisis, by F. R. Coudert, p. 217-37.
- Electric railway journal, Jan. 16, 1909.--The Wisconsin public utilities law; valuation of property and franchises; accounts; rates; appeal to courts; commission as a clearing house; results of operation of the law, by B. H. Meyer, p. 103.
- Engineering record, Jan. 23, 1909.--The administration's position regarding water power development; President Roosevelt's veto of bill for construction of dam across James River, Mo.; authority of Congress to limit the privilege; conditions that should be imposed, p. 85-93.
- Harvard law review, Jan. 1909.--Running water, by Samuel C. Wiel, p. 190-215. (Water running in a natural stream is mineral feræ naturæ; riparian owners or appropriation have a mere usufruct. Severed water is personality. Scholarly and historical, with many citations of authority from English, American and Civil law. P. P. W.)

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CURRENT LITERATURE FOR ~~JULY~~ ^{June}

1909

Compiled by the Librarian of the Forest Service

FOREST BOTANY

Forest flora of New South Wales; J. H. Maiden. Pt. 34,
1909. 13 p. Illus. Forest Dept., Sydney, N.S.W.

SILVICS

Instructions for recording observations on leafing, flower-
ing and fruiting of forest trees. 1909. 3 p. Forest
service.

Shagbark hickory (*Hicoria ovata*). 1909. 4 p. Silvical
leaflet 49, Forest service.

EDUCATIONAL

The study of the evergreens in the public schools; C. M.
Weed. 1908. 30 p. Illus. State forester's office,
Boston, Mass.

Yale forest school. Extension of the technical courses.
4 p. New Haven, Conn.

FOREST MANAGEMENT

Forest Mensuration

Die theoretische und praktische Bedeutung des arithmetischen
Mittelstammes (The theoretical and practical meaning of
the arithmetical average tree); E. Gehrhardt. 1901.
93 p. Keyssner'sche Hofbuchdruckerei, Meiningen.

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

Office of Statistics

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CURRENT LITERATURE FOR 1902

1902

Compiled by the Librarian of the Forest Service

FOREST SERVICE

Forest Service of New South Wales, N. S. W.
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The study of the evergreens in the public schools of N. S. W.
The study of the evergreens in the public schools of N. S. W.
The study of the evergreens in the public schools of N. S. W.

Panting

- Note sur les dunes de Gascogne (Note on the dunes of Gascony); J. Bert. 1900. 314 p. Illus. Impr. Nationale, Paris.
- Restauration et conservation des terrains en montagne; loi du 28 Juillet 1860, du 8 Juin 1864, et du 4 Avril 1882 (Restoration and conservation of mountain soils; laws of July 28, 1860, June 8, 1864, and April 4, 1882). 1900. 33 p. Illus. Impr. Nationale, Paris.

Organization and Administration

- California-State forester. 2d biennial report, 1907-1908. 1908. 33 p. Illus. Sacramento, California.
- Hawaii-Division of forestry. Report for the year ending December 31, 1908. 1909. 95 p. Honolulu.
- India-Eastern Bengal and Assam-Forest dept. Progress report of forest administration for the year 1907-1908. 1908. 74 p. Shillong, India.
- Indiana-State board of forestry. 8th annual report, 1908. 1908. 211 p. Illus. Indianapolis, Ind.
- Minnesota-State forestry board. Report. 1908. 5 p. St. Paul, Minn.
- New York-Forest, fish and game commission. 14th annual report, 1908. 1909. 19 p. Albany, N. Y.
- Oregon-State board of forestry. 1st biennial report for the years 1907-1908. 1908. 39 p. Salem, Ore.
- Washington-State fire warden. 3d-4th annual reports, 1907 and 1908. 1908. 30 p. Olympia, Wash.
- United States-Forest service. Field program for June, 1909. 24 p.

UTILIZATION

- The merchantable timbers of Queensland; P. MacMahon. 1905. 68 p. Illus. Dept. of agriculture, Brisbane, Australia.
- Timber; J. R. Baterden. 1908. 351 p. Illus. A. Constable and company, London.

Products

- Forest products of Canada; A. H. D. Ross. 1909. 33 p. Bulletin 4, Forestry branch, Dept. of the interior, Ottawa, Canada.
- Gemmage du pin maritime (Tapping Pinus maritima); A. Violette. 1900. 70 p. Illus. Impr. Nationale, Paris.

DOD TECHNOLOGY

Constitution anatomique du bois (Anatomical structure of wood); A. Thil. 1900. 130 p. Illus. Impr. Nationale, Paris.

STATISTICS

Forest resources and forest conditions of Prince George's County, Md; F. W. Besley. 1908. 6 p. Forestry leaflet no.8, Maryland state board of forestry, Baltimore, Md.

Insuffisance de la production des bois d'oeuvre dans le monde (Insufficiency of the world's timber supply); A. Mélard. 1900. 119 p. Impr. Nationale, Paris.

Maryland's forest resources; F. W. Besley. 1908. 7 p. Forestry leaflet no. 7, Maryland state board of forestry, Baltimore, Md.

Wholesale lumber prices, May, 1909, List A. 20 p. Forest service.

PROCEEDINGS OF ASSOCIATIONS

Canadian forestry association. Tenth annual report, 1909. 165 p. Illus. Toronto, Canada.

Society of American foresters. Proceedings, vol. 4, no. 1, 1909. 131 p. Washington, D. C.

University of Nebraska-Forest club. Annual, 1909. 70 p. Illus. Lincoln, Nebr.

STREET AND PARK TREES

East Orange, N. J.-Shade tree commission. 5th annual report, 1908. 11 p. Illus.

DREST ENEMIES

Insects

The larch shoot moths. 1909. 4 p. Illus. Leaflet no. 208, Board of agriculture and fisheries, London.

CONSERVATION OF NATURAL RESOURCES

Preservation and utilization of the national forests; S. Riley. 1909. 22 p. From Proceedings of the Colorado scientific society, Denver, Colo.

Conservation of natural resources. 1909. 267 p. Vol. 33, no. 3, of Annals of the American academy of political and social science, Phila., Pa.

GRAZING

Restauration, aménagement et mise en valeur des pâturages de montagnes (Restoration, management and improvement of mountain pastures); E. Cardot. 1900. 121 p. Illus. Impr. Nationale, Paris.

PERIODICALS

General

- American review of tropical agriculture, Jan. 1909.--The thinning of a rubber stand, by P. Olsson-Seffer, p. 6-8; Reforestation in Mexico, by P. Olsson-Seffer, p. 9-10.
- Bulletin of the Torrey botanical club, June, 1909.--A new fungus of the swamp cedar, by H. J. Banker, p. 341-3.
- Conservation, June, 1909.--The pathfinder dam, by C. J. Blanchard, p. 317-22.
- Gardeners' chronicle, May 15, 1909.--The Japanese Douglas fir, by A. B. Jackson, p. 307.
- Muhlenbergia, May 12, 1909.--The mountain mahogany, by A. A. Heller, p. 62-3.
- Penn state farmer, May, 1909.--What of the future in the profession of forestry, by Hugh P. Baker, p. 75-7; The reforestation work of the Pennsylvania railroad in spring of 1909, by S. S. Sadler, p. 78-9; Lumbering in northern Pennsylvania, by J. E. Ingram, p. 80-82; Preservative treatment of mine timbers, by R. H. Thompson, p. 83-4; Injurious effects of over grazing on farm woodland, by W. C. Wagner, p. 84-6; The position of forest assistant on the national forests, by J. A. Ferguson, p. 86-8; A week's experience in packing forest tree seedlings and transplants for shipment..., by I. T. Yarnall, p. 89-91.
- Popular science monthly, June, 1909.--Okefinokee swamp, by R. M. Harper, p. 596-620.
- Revue horticole, June 1, 1909.--*Larix occidentalis*, by S. Mottet, p. 252-3.
- Scientific American supplement, May 1, 1909.--A novel steam tractor for hauling logs over snow, p. 273-4.
- Transactions of the Canadian society of civil engineers, Oct. to Dec., 1908.--Notes on Canadian forestry, by S. Gagné, p. 434-51.
- Transactions of the National association of cotton manufacturers, 1908.--Forest preservation, p. 90-129.
- Van Norden magazine, July, 1909.--Foresters in the field, p. 402-3.
- World's work, June, 1909.--Saving the big trees, by F. Strother, p. 706.

Trade Journals and Consular Reports

- American lumberman, May 29, 1909.--Ocean log rafting, p. 33;
Cleaning a log pond; novel use of log loader, p. 66.
Barrel and box, June, 1909.--Overcup oak considerably used
by cooperage men, p. 28.
Carriage monthly, June, 1909.--The shrinkage of timbers, by
A. J.
Engineering news, April 15, 1909.--Irrigation works in the
Hawaiian Islands, by M. M. O'Shaughnessy, p. 399-403.
Engineering record, May 8, 1909.--Timber preservation experi-
ences, p. 604.
Engineering record, May 15, 1909.--Forestry operations about
the Wachusett reservoir, p. 631-2.
Hardwood record, May 25, 1909.--American forest trees; gopher
or yellow-wood, p. 19.
Hardwood record, June 10, 1909.--Figured walnut and figured
walnut, by O. E. Williamson, p. 48.
Journal of electricity, power and gas, May 29, 1909.--Some-
thing about the teredo, by C. H. Johnson, p. 423-4.
Journal of electricity, power and gas, June 12, 1909.--Using
the telephone to fight forest fires, by Charles L. Mul-
ligan, p. 480-82.
Mining and scientific press, May 29, 1909.--Forest service
and mining claims, by G. Pinchot, p. 756-7.
New York lumber trade journal, June 15, 1909.--Report of Com-
mittee on forestry of the National hardwood lumber as-
sociation, p. 48-48 b.
St. Louis lumberman, June 1, 1909.--Dr. Schenk on the growth
of chestnut, by C. A. Schenk, p. 61.
Southern lumberman, June 5, 1909.--Field work of Yale forest
school, by F. F. Moon, p. 33.
U. S. daily consular reports, May 29, 1909.--Railway ties
in France, by A. Gaulin, p. 6-7.
Wood-worker, June, 1909.--The making of wooden columns, by
K. L. Thayer, p. 45-6.

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, May, 1909.--Ueber Wert-
zuwachs (Price increment), by Schubert, p. 153-8; Die
Mehltaukrankheit der Eichen (The mildew disease of the
oak), by D. Kirchner, p. 158-61; Ueber Zuwachsbe-
rechnung von Beständen (On computing the increment of
forest crops), by F. Gascard, p. 161-7.
Bulletin de la Société centrale forestière de Belgique, May,
1909.--Bois de construction; altération par les cham-
pignons (Deterioration in structural timber from fungi),
by C. Guyot, p. 298-307; Insectes nuisibles au peuplier
(Insects injurious to the poplar), by L. B., p. 320-4.

- Centralblatt für das gesamte Forstwesen, April, 1909.--Die Nonne (*Lymantria monacha*), by W. Sedlacek, p. 145-64; Über die Polyederkrankheit der Nonne (The polyhedron disease of *Lymantria monacha*), by B. Wahl, p. 161-72.
- Forest leaves, June, 1909.--Pennsylvania's new forestry legislation, p. 34-6; Woodlot advice, p. 39; Amendments to the forest law of New York, p. 43-4; An act for the protection of woodlands in New Jersey, p. 44-5.
- Forstwissenschaftliches Centralblatt, May, 1909.--Die Forstverwaltung des rechtsrheinischen Fürstentums Leiningen (Forest administration in the principality of Leiningen on the right side of the Rhine), by J. Keiper, p. 266-84.
- Indian forester, May, 1909.--Afforesting waste lands and the financial returns therefrom, by A. D. Webster, p. 247-56; The enquiry into the influence of forests on the amount and distribution of rainfall in India, p. 262-73.
- Michigan roads and forests, May, 1909.--The forest fire problem in Michigan, by W. Bradfield & A. A. Wynne, p. 4-6.
- Minnesota forester, May, 1909.--Progress of forestry in the state, p. 49-51; The time to plant and how to do it, p. 51-6; The utilization of wood waste, p. 58-9.
- Revue des Eaux et Forêts, May 15, 1909.--Le martelage au début de l'ère Mérovingienne (Marking timber in the Merovingian period), by G. Huffer, p. 289-94; L'évaluation de la propriété forestière (The valuation of forest property), by A. Arnould, p. 294-9.
- Schweizerische Zeitschrift für Forstwesen, April, 1909.--Wirkung des Frostes auf den Blattabfall (Effect of frost on the fall of leaves), by P. Jaccard, p. 105-12.
- Schweizerische Zeitschrift für Forstwesen, May, 1909.--Beschädigung von Bauholz durch Insekten (Inquiry to structural timber by insects), by Decoppet, p. 141-5.
- Zeitschrift für Forst-und Jagdwesen, May, 1909.--Ein jahrzehnt Durchforstungsversuch (A ten-year thinning experiment), by Heck, p. 281-313; Untersuchungen in Mischbeständen (Examinations of mixed stands), by A. Schwappach, p. 313-32; Zur Kiefernachzucht auf frischen bis trockenen Sandböden 2. bis 5. klasse (Second growth pine on fresh to dry sandy soil of the 2d to 5th class), by Geist, p. 333-7.

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Issued August 1, 1909.

CURRENT LITERATURE FOR JULY

1909

Compiled by the Librarian of the Forest Service.

FORESTRY-GENERAL

Our forests and woodlands; J. Nisbet. 1909. 348 p. Illus.
J. M. Dent & Co., London.

MANUALS OF FORESTRY

The practice of forestry; concerning also the financial
aspect of afforestation; P. T. Maw. 1909. 503 p.
Walter and Walter, Brockenhurst, Eng.
Der waldbau (Silviculture); C. Heyer. 5th ed., vol. 2, 1909.
302 p. Illus. B. G. Teubner, Leipzig & Berlin.

FOREST BOTANY

Die Nadelhölzer (Conifers); F. W. Neger. 1907. 185 p.
Illus. G. J. Goschen, Leipzig.
The tree book; M. R. Jarvis. 1908. 132 p. Illus.
John Lane Co., London and New York.
Trees, a handbook of forest botany for the woodlands and
the laboratory. Vol. 5: Form and habit, with an
appendix on seedlings; H. M. Ward. 1909. 308 p.
Illus. University Press, Cambridge.

Forest Geography

Atlas der pflanzenverbreitung (Atlas of plant distribu-
tion); O. Drude. 1887. 6 p. maps. J. Perthes,
Gotha.
Die Horizontalverbreitung der Kiefer (The horizontal dis-
tribution of Pinus sylvestris); A. Dengler. 1904.
132 p. J. Neuman, Neudamm.

SILVICS

- Paper birch in the northeast; S. T. Dana. 1909. 37 p.
Illus. Circular 163 of the Forest service.
- Plant formations and forest types; E. E. Clements. 1909.
14 p. Yale publishing association, New Haven, Conn.
- Les sols forestiers (Forest soils); E. Henry. 452 p.
Illus. Berger-Levrault et Cie, Paris.
- Some notes on the Yellow pine forests of Alabama; R. C.
Bryant. 1909. 12 p. Yale publishing association,
New Haven, Conn.
- A study of the reproductive characteristic of lodgepole
pine; G. E. Tower. 1909. 23 p. Yale publishing
association, New Haven, Conn.

Experiment Stations

- Experiment stations on the national forests; S. T. Dana.
1909. 8 p. Yale publishing association, New Haven,
Conn.

FOREST MANAGEMENT

- Forestry for railroads; E. A. Sterling. 1909. 12 p.
Yale publishing association, New Haven, Conn.
- Preliminary forest management in the southwest; T. S.
Woolsey. 1909. 7 p. Yale publishing association,
New Haven, Conn.
- Relation between state and private forestry in Pennsylvania;
J. T. Rothrock. 1909. 8 p. Yale publishing associa-
tion, New Haven, Conn.

Mensuration

- Timber estimating; H. H. Chapman. 1909. 15 p. Yale
publishing association, New Haven, Conn.

Working Plans

- The new reconnaissance; working plans that work; A. B.
Recknagel. 1909. 21 p. Yale publishing associa-
tion, New Haven, Conn.

Lumbering

- National lumber manufacturers' credit association. Credit
rating book, vol. 11, April, 1909. St. Louis, Mo.
- Rohholzgewinnung und Gewerbsseigenschaften des Holzes (The
conversion of timber and the lumber trade); E. Laris.
1909. 184 p. Illus. A. Hartleben, Wien & Leipzig.

Planting

- Instructions for reforesting land; C. R. Pettis. 1909. 22 p. Illus. Forest, fish and game commission, Albany, N. Y.
- Problems in nursery practice; C. R. Pettis. 1909. 8 p. Yale publishing association, New Haven, Conn.

Organization and Administration

- Cape of Good Hope Forest department. Report of the chief conservator of forests for the year ending 31st December, 1908. 1909. 21 p. Illus. Cape Town.
- India-Bombay Presidency. Administration report for the year 1907-1908. 1909. 208 p. Bombay, India.
- Ontario-Minister of lands, forests and mines. Report for the year 1908. 1909. 138 p. Toronto.
- United States-Forest service. Field program, July, 1909. 32 p.

STATISTICS

- Pulp wood consumption, 1908. 1909. 12 p. Forest products no. 1, Bureau of the Census.
- The timber supply of the United States; R. S. Kellogg. 1909. 24 p. Circular 166 of the Forest service.

PROCEEDINGS OF ASSOCIATIONS

- Oesterreichische Vierteljahresschrift für Forstwesen (Austrian forestry quarterly). Vol. 46-58, 1896-1906. Oesterreichische Reichsforstverein, Wien.
- Sächsischer Forstverein. Berichte über die 47.-51. Versammlungen (Reports of the 47th-51st meetings of the forestry association of Saxony). 1903-1907. Tharandt, Germany.

FOREST ENEMIES

Insects

- The genus Dendroctonus; A. D. Hopkins. 1909. 164 p. Illus. Technical series no. 17, pt. 1, Bureau of entomology, U. S. Dept. of agriculture.
- The green-striped maple worm; L. O. Howard and F. H. Chittenden. 1909. 7 p. Illus. Circular 110, Bureau of entomology, U. S. Dept. of agriculture.

Planting

Instructions for reforesting lands, C. R. Pettit, 1909.
32 p. Illinois Forest and Game Commission.
Problems in nursery management, C. R. Pettit, 1909. 8 p.
Tape publishing association, New Haven, Conn.

Organization and Administration

Progress of Good-Hope Forest department, Report of the chief
inspector of forests for the year ending 1911.
1912-1913, 31 p. Illinois Game Farm.
Ontario Ministry of Lands, Forests and Mines, Report for
the year 1908, 1909. 138 p. Toronto.
United States Forest Service, Field program, July, 1909.
32 p.

Statistics

Pulp wood consumption, 1905, 1909. 12 p. Forest
products no. 1, Bureau of the Census.
The timber supply of the United States, R. S. Kellogg.
1909, 24 p. Washington, D. C. Forest Service.

PROCEEDINGS OF ASSOCIATIONS

Osterreichische Wirtschaftswissenschaftliche Vereinigung
für Österreich (Austrian Economic Association), Wien, 1908.
1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918,
1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928,
1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938,
1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948,
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3839, 3840, 3841, 3842, 3843, 3844, 3845

Diseases of Trees

Diseases of deciduous forest trees; H. von Schrenk and P. Spaulding. 1909. 85 p. Illus. Bulletin 149, Bureau of plant industry, U. S. Dept. of agriculture.

IRRIGATION

Irrigation in New Mexico; V. L. Sullivan. 1909. 42 p. Bulletin 215, Office of experiment stations, U. S. Dept. of agriculture.

Irrigation in the state of Washington; O. L. Waller. 1909. 64 p. Bulletin 214, Office of experiment stations, U. S. Dept. of agriculture.

BIBLIOGRAPHIES

Theodore Roosevelt, dynamic geographer; F. B. Vrooman. 1909. 105 p. Oxford University. Press, Eng.

PERIODICALS

General

Chautauquan, June, 1909.--The National conservation commission, how it came into existence, its work and its personnel; and report, p. 48-104; North American conservation conference; meeting in Washington, 1909, p. 107-11; Where national reservations are, p. 122-6.

Conservation, July, 1909.--Irrigation in the inland empire, p. 385-91; The big banyan of Key West, Fla., by R. A. Ellis, p. 392-3; A field for inventive genius; need of a substitute for the wooden railroad tie, by Mrs. L. A. Williams, p. 394-6; Practical forest work for advanced students of Nebraska forest school, p. 402-4; Forestry in Massachusetts, by F. W. Rane, p. 405-6; The natural taxation of timbered mining land, by R. B. Brinsmade, p. 408-11; Chemistry and conservation, p. 422-6.

Everybody's magazine, August, 1909.--Handmade forests, by John Mathews, p. 223-33.

Journal of Franklin institute, July, 1909.--Some problems of forestry, by Leslie B. Seeley, p. 1-18.

Munsey's magazine, July, 1909.--Stoneman, forest assistant, by Agnes M. Cleveland, p. 488-98; James Wilson, perpetual cabinet officer, by J. C. Welliver, p. 512-14.

Outlook, July 10, 1909.--A summer in an Oregon lumber camp, by G. Mason, p. 612-14.

St. Nicholas, May, 1909.--Logged off landers, by H. Hale, p. 628-31.

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- St. Nicholas, June, 1909.--Boy timber cruisers of Carolina in the Biltmore forest, by D. A. Willey, p. 687-92.
- Saturday evening post, July 10, 1909.--Plows and poverty; how the treetops can be made to help the farmer, by J. R. Smith, p. 14-15, 27-3.
- World today, June, 1909.--Turning national forests into homesteads, by J. L. Ellis, p. 636-40.

Trade Journals and Consular Reports

- American lumberman, July 17, 1909.--The timber wealth of Arkansas and its real greatness, p. 33.
- Craftsman, June, 1909.--What it would mean to the nation if city folk and farmers would plant trees, p. 364-6.
- Engineering magazine, June, 1909.--Open-tank process of timber preservation, by W. F. Sherfessie, p. 435-8.
- Engineering news, May 20, 1909.--A neglected splice for timber tension members, by R. Fletcher, p. 539-40.
- Hardwood record, June 25, 1909.--Utilization of hardwoods; bookcases, p. 20-1; Crotch wood, by J. V. Hamilton, p. 22-4.
- Hardwood record, July 10, 1909.--Utilization of hardwoods; lumber buggies and factory trucks, p. 20; End-drying lumber sheds, by H. Ballou, p. 24-5.
- Mississippi Valley lumberman, June 18, 1909.--Timber resources of the inland empire, p. 32-4; Engines for the use of lumbermen, p. 37.
- Mississippi Valley lumberman, July 2, 1909.--Practical lumbermen interested in conservative lumbering, by C. A. Smith, p. 26-7; Alcohol from sawmill waste, p. 39.
- National cooperage journal, July, 1909.--The world's greatest white oak, by Jared Harris, p. 1-2.
- Pacific lumber trade journal, June, 1909.--Lumbering resources of the inland empire, by A. Wolf, p. 35-6; Forest resources of Washington, by F. G. Miller, p. 42, 45.
- Paper mill, July 3, 1909.--Philippine fibres, by P. C. Freer, p. 30.
- Paper trade journal, July 8, 1909.--The evolution of the logging camp, p. 48.
- Railway and engineering review, July 1, 1909.--Crushing tests on water-soaked timbers, by E. C. Sherman, p. 22.
- Southern industrial and lumber review, June, 1909.--Kick on foresters; Arkansan protests against Forest service and is answered by forester, by S. J. Record, p. 48-9; The Biltmore forests, p. 55.
- Timberman, June, 1909.--Extent of timber supply and lumbering industry of British Guiana, p. 31; Western Australian hardwoods, p. 51; Japan's system of forestry, p. 51.

- Timber trade journal, June 19, 1909.--The rating and taxation of hardwoods, by L. S. Wood, p. 1210-12.
- Timber trade journal, July 3, 1909.--Timber and its decorative possibilities, p. 3.
- U. S. Daily consular reports, June 25, 1909.--Palo amarillo rubber; probable yield of a Mexican tree on mountain slopes, by P. Olsson-Seffer, p. 1-2.
- Wood craft, July, 1909.--Mahogany and its allies, by J. Gifford, p. 108-10; English furniture, its design and construction, by P. A. Wells, p. 114-17; The theory of the dry-kiln; by J. H. Hart, p. 117-19.

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, June, 1909.--Ueber Hiebszugswirtschaft in Sachsen (Felling series in Saxony), by Pursche, p. 189-90; Das Ablängen des Langnutzholzes bei der Ausformung im Rohen (Cutting logs into lengths by shaping them in the rough), by Schleicher, p. 190-5.
- Allgemeine Forst-und Jagd-Zeitung, July, 1909.--Ueber die Theorie des Höhenwachstums der Waldbäume (The height growth of forest trees), by Urstadt, p. 225-42.
- Arboriculture, July, 1909.--Fort Morgan sand spit, p. 67-70.
- Canadian forestry journal, June, 1909.--Growing trees for fuel, by N. M. Ross, p. 74-7; Reforestation of waste lands, p. 80-3; Shade trees for prairie cities, by A. Knechtel, p. 84-8; Forestry in Canada, by R. H. Campbell, p. 88-95; Report of forests and waterpowers committee of the Canadian House of Commons, p. 96-9.
- Forest, fish and game, June, 1909.--Farm forestry, p. 1-22.
- Forestry quarterly, June, 1909.--Forest planting in national forests, by J. M. Fetherolf, p. 127-38; Logging in the redwoods, by M. B. Eckbo, p. 139-43; Recent log rules, by H. S. Graves, p. 144-6; Ranger courses, by J. E. Rothery, p. 147-50; A plea for abolishing the duty on evergreen seedlings for forest planting, by E. D. Curtis, p. 151-7; Note on the trees in the Philippine Islands, p. 155-6.
- Hawaiian forester and agriculturist, May, 1909.--Forest resources of South America, p. 193; Strength tests of Ohia lehua, by W. K. Hatt, p. 194-8; The value of the Hawaiian forest, by F. M. Swanzy, p. 200-3.
- Oregon forester, May, 1908.--State control of our water resources, by J. H. Lewis, p. 1-7.

- Quarterly journal of forestry, July, 1909.--How tree buds open, by Scott, p. 223-7; Experimental plantations at Cooper's Hill, by W. R. Fisher, p. 228-32; Peridermium strobil, the blister of Weymouth pine, by W. Somerville, p. 232-6; Timber growing in Suffolk, by R. C. Notcutt, p. 240-4; Second annual report of the forestry committee, University of Cambridge, p. 259-63; Taxation of woodlands, by G. Green, p. 264-73; The Royal agricultural society of England; report of the judges upon the competition in woodland plantations, by W. B. Havelock and L. S. Wood, p. 275-90; Comparison between round timber measurement and board measurement in logs of Scotch fir, larch and spruce, by M. P. Price, p. 298-9.
- Revue des Eaux et Forêts, June 1, 1909.--La rusticité du Douglas (The hardiness of Douglas fir), by A. Jolyet, p. 321-31; Le mouvement forestier à l'étranger; L'Allemagne (The forestry movement in foreign countries; Germany), by G. Huffel, p. 353-63.
- Schweizerische Zeitschrift für Forstwesen, June, 1909.--Der Lichtungszuwachs (Increment due to increased light), by J. Hamm, p. 161-8.
- Transactions of Royal Scottish arboricultural society, July, 1909.--Forestry in some of its economic aspects, by W. Somerville, p. 121-9; The state in relation to forestry, by W. Schlich, p. 130-8; Afforestation and timber-planting in Great Britain and Ireland, by J. Nisbet, p. 139-55; Afforestation, by Lovat and R. C. M. Ferguson, p. 156-79; The Royal commission on afforestation, by B. Ribbentrop and J. S. Maxwell, p. 180-200; Afforestation of waste lands in Denmark, Holland, France, Belgium and Germany, p. 207-11; The trees of California, by F. R. S. Balfour, p. 213-20; The Glencorse smoke case, by M. I. Newbigin, p. 221-7; Continental notes; Germany, by B. Ribbentrop, p. 227-36.
- Woodland and roadside, July, 1909.--Massachusetts forest legislation, p. 29-32; New Hampshire's new forest law, p. 32-4.

Journal of Forestry, July, 1909. -- New tree plan
 open, by Scott, p. 323-7; Experimental plantations at
 Cooper's Hill, by W. R. Fisher, p. 328-32; Fertilization
 of the bluffs of Portsmouth, by W. R. Fisher, p. 323-32;
 p. 323-32; Timber growing in Suffolk, by W. C. Hootch,
 p. 320-4; Second annual report of the forestry committee,
 University of Cambridge, p. 322-32; Taxation of wood-
 lands, by G. Green, p. 324-73; The Royal Agricultural
 Society of England, report of the judges upon the competi-
 tion in woodland plantations, by W. R. Fisher and L. S.
 Hootch, p. 323-32; Fertilization of the bluffs of Portsmouth,
 and second and third measurements in the case of Scotch fir, larch
 and spruce, by M. F. Price, p. 328-9.
 Forestry in the future, June 1, 1909. -- La pratique du forage
 (the hardness of Douglas fir), by A. Jolyot, p. 321-31;
 Le mouvement forestier en France; L'Allemagne (the
 forestry movement in French countries; Germany), by G.
 Huet, p. 323-35.
 Österreichische Zeitschrift für Forstwesen, June, 1909. -- Der
 Lichtschwund (movement due to increased light),
 by J. Huet, p. 161-8.
 Transactions of Royal Scottish Agricultural Society, July,
 1909. -- Forestry in some of the economic aspects, by
 W. R. Fisher, p. 181-9; The state in relation to
 forestry, by W. Schlich, p. 130-8; Afforestation and
 reforestation in Great Britain and Ireland, by J.
 Huet, p. 139-55; Afforestation, by Jolyot and W. R. H.
 Hootch, p. 138-73; The Royal Commission on affor-
 estation, by W. R. Fisher and L. S. Hootch, p.
 130-300; Afforestation of waste lands in Germany, Hol-
 land, France, Belgium and Germany, p. 307-11; The
 afforestation of waste lands in Germany, p. 312-17;
 The afforestation of waste lands, by W. R. Fisher, p. 321-7;
 Continental notes, Germany, by W. R. Fisher, p. 327-38.
 Canadian and Forestry, July, 1909. -- Transplantation of forest legis-
 lation, p. 32-32; New Hampshire's new forest law, p. 52-4.

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CURRENT LITERATURE FOR AUGUST

1909

Compiled by the Librarian of the Forest Service

FORESTRY - GENERAL

Forestry in Hawaii; why the practice of forestry is an economic necessity; R. S. Hosmer, 8 p.

Missouri's opportunities in forestry; S. J. Record. 1908. 7 p. Missouri state board of horticulture, Columbia, Mo.

FOREST BOTANY

Florida trees; J. Gifford. 1909. 24 p. Forestry dept., Florida federation of women's clubs, Cocoanut Grove, Fla.

Forest trees of Maine and how to know them; G. E. Tower. 1908. 62 p. Illus. Forest commission, Waterville, Me.

FOREST MANAGEMENT

Practical assistance to owners of forest land and to tree planters. 1909. 7 p. Circular 165 of the Forest service.

Mensuration

Analytische Untersuchung der Schiffel'schen Cubirungsformel (Analytical examination of Schiffel's cubing formula); N. von Lorenz. 1903. 16 p. W. Frick, Wien.

Lumbering

Sachsens Holzverkehr und Holzhandel (Saxony's lumber industry and trade); F. Mammen. Vol. 1, 1909. 228 p. B. G. Teubner, Leipzig.

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Planting

Die Aufforstung landwirtschaftlich minderwertigen Bodens
(The afforestation of inferior agricultural land);
K. I. Möller. 1908. 102 p. J. Springer, Berlin.

Organization and Administration

United States - Forest service. Field program, August,
1909. 31 p.

Finance

Die Besteuerung des Waldes (Forest taxes); H. Weber. 1909.
555 p. J. D. Sauerländer, Frankfurt a. M.
How much does it cost to grow timber? R. S. Kellogg and
E. A. Ziegler. 1909. 18 p.

UTILIZATION

Andaman marble-wood or zebra-wood; R. S. Troup. 1909.
7 p. Illus. Forest pamphlet no. 7, Forest dept.,
Calcutta, India.
Die Eignung des Buchenholzes zu Strassenpflaster im Ver-
gleiche mit Nadelhölzern (The adaptability of beech
for street pavement, in comparison with conifers);
G. Janka. 1902. 34 p. W. Frick, Wien.
Euçalyptus timber, its growth from a commercial standpoint.
1909. 24 p. Illus. Los Berros forest company,
Pasadena, Cal.
Die Herstellung von Stöckelpflaster aus Rothbuche (The man-
ufacture of pavement from red beech); N. von Lorenz.
1903. 7 p. W. Frick, Wien.
The story of a mahogany tree as told by itself; V. B. Paine.
40 p.

WOOD TECHNOLOGY

Results of trials with timber carried out at the Austrian
forestry testing station at Mariabrunn; G. Janka.
1906. 5 p. International association for testing
materials, Brussels.

STATISTICS

Cross-ties purchased, 1908. 1909. 8 p. Forest prod-
ucts no. 8, Bureau of the census.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Journal of Agricultural Science, Cambridge, 1908, 42, 1-10.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.
The influence of the soil on the growth of the plant.

Record of wholesale prices of lumber, June - July, 1909.
20 p. Forest service.
Wood distillation, 1908. 10 p. Forest products, no. 7,
Bureau of the census.

PROCEEDINGS OF ASSOCIATIONS

Adirondack lumber manufacturers' and shippers' association.
Special report. 14 p. Utica, N. Y.

FOREST ENEMIES

Insects

Versuche mit verschiedenen Arten von Fangbäumen zur Bekämpfung der Borkenkäfer (Experiments with different kinds of trap trees for the control of bark beetles); W. Sedlacek. 1908. 29 p. W. Frick, Wien.

Diseases of Trees

Emergency bulletin on the blister rust of pines and the European currant rust; G. G. Atwood. 1909. 15 p. Illus. Horticultural bulletin no. 2, N. Y. Dept. of agriculture, Albany.
European currant rust on the white pine in America; P. Spaulding. 1909. 4 p. Circular 38, Bureau of plant industry, U. S. Dept. of agriculture.

Fire

Forest fires in Canada during 1908; H. R. Macmillan. 1909. 8 p. Bulletin 7, Forestry branch, Dept. of the interior, Ottawa, Canada.

CONSERVATION OF NATURAL RESOURCES

National conservation commission. Bulletin no. 4, presenting the report of the commission and a chronological history of the conservation movement. 1909. 52 p. Washington, D. C.
National conservation commission. Report, Vol. 1 - 3. 1909. Washington, D. C.

HYDROGRAPHY

Manuel de l'eau (Manual of water); O. Reclus. 102 p. Touring-club de France, Paris.

PERIODICALS

General

- American homes, July, 1909.--Forest conservation at Biltmore, by D. A. Willey, p. 274-7.
- American industries, August 15, 1909.--Preserving the forests and waterways, by G. H. Maxwell, p. 12-14.
- Botanical gazette, July, 1909.--The development of the gametophytes and fertilization in *Juniperus communis* and *Juniperus virginiana*, by A. M. Ottley, p. 31-46; The structure of the wood in the Pineae, by I. W. Bailey, p. 47-55.
- Conservation, August, 1909.--The everglades of Florida and the Landes of France, by J. Gifford, p. 453-62; Opening of the Coeur d'Alene reservation, p. 464-7; Influence of taxation on forest distribution, by E. M. Hoover, p. 469-70; State forest policy, by H. H. Chapman, p. 472-81; The equalizing influence of forests on the flow of streams and their value as a means of improving navigation, by G. F. Swain, p. 489-94; A chapter of conservation history, by T. E. Will, p. 495-7.
- Garden magazine, August, 1909.--The "human interest" in firs, by T. McAdam, p. 12-14.
- Harper's weekly, June 26, 1909.--Northwest's mighty industry, by J. K. Mumford, p. 25-6.
- Journal of the Franklin institute, August, 1909.--Increase in use of wood preservatives indicates progress in forest conservation, p. 107.
- National geographic magazine, June, 1909.--When our country is 50 years older, by R. Zon, p. 573-80.
- New England farmer, July 31, 1909.--The forestry problem, one of the most important to the state of Vermont, by M. J. Hapgood, p. 9.
- Outing magazine, August, 1909.--Forest fires, by J. S. Whipple, p. 527-37.
- Science, August 13, 1909.--*Peridermium strobiliferum* Klebahn in America, by P. Spaulding, p. 200-1.

Trade Journals and Consular Reports

- American lumberman, July 10, 1909.--Hardwood railroad ties are displacing those of steel, p. 45; Discussion of the method of logging longleaf pine in two cuttings, p. 46-7.
- American lumberman, July 24, 1909.--Methods of determining lumber costs in lumber manufacture, p. 35; Forest fire protection from a Pacific Coast standpoint, by F. H. Lamb, p. 59-60; A new departure in lumber drying, by H. B. S., p. 68-9.

- American lumberman, July 31, 1909.--White and sugar pine logging, by W. Everett, p. 37-9; Log fluming, by J. E. Robertson, p. 38; Logging on the Pacific Coast, by G. S. Long, p. 42-3.
- Barrel and box, August, 1909.--White pine lumber supply and present market conditions, by Z. H. Hutchinson, p. 54.
- Canada lumberman, July 1, 1909.--The evolution of the lumber camp, p. 28.
- Craftsman, July, 1909.--Our native woods and the Craftsman method of finishing them, p. 428-36.
- Dixie woodworker, June, 1909.--Manufacturing oak veneer, by O. S. W., p. 9-10; Hardwood and parquetry flooring, p. 15-16.
- Engineering and mining journal, July 31, 1909.--The preservation of mine timbers, by J. M. Nelson, p. 211-12.
- Hardwood record, July 25, 1909.--The lumber industry of Hawaii, by H. C. Haner, p. 20-1.
- Hardwood record, August 10, 1909.--The coffee-pot sawmill, p. 20-21; Plans for Biltmore forest school, p. 21; Concrete foundations and improved methods of piling hardwood lumber, p. 22-3.
- Lumber review, August 1, 1909.--The relation of taxation to forest conservation, by F. R. Fairchild, p. 42-6.
- Mississippi Valley lumberman, July 23, 1909.--The lumber cut of the United States in 1908, by R. S. Kellogg, p. 27-8; Lumber inspection, by E. G. Ames, p. 32-3.
- Mississippi Valley lumberman, July 30, 1909.--The future of the forest, by E. T. Allen, p. 28.
- Mississippi Valley lumberman, August 13, 1909.--Fundamental principles of forest protection, by F. H. Lamb, p. 30.
- Pacific Coast wood and iron, July 15, 1909.--Eucalyptus, p. 29.
- Pacific Coast wood and iron, August 1, 1909.--Timber taxation, by F. R. Fairchild, p. 7-11; Electricity as a factor in logging, by G. L. Brown, p. 16A; Fire hazard and its prevention, by D. P. Simons, p. 16A-C; Timber cruising, by F. H. Conant, p. 16C-E; Methods of redwood logging, by W. W. Feed, p. 16E-G; Law of damages; booming and driving laws, by J. G. Bridges, p. 16G-19; Ocean log rafting, by J. A. Fastabend, p. 19-21; Cable locomotives for steep railroading, by E. O. Potter, p. 21-3; Overhead cable system, by F. E. Newby, p. 23-5; Development of the logging industry, by G. M. Cornwall, p. 27.
- Pacific lumber trade journal, July, 1909.--Timber resources of Siberia, p. 18.
- Pulp and paper magazine, August, 1909.--The new United States pulp and paper tariff, p. 228-33.
- St. Louis lumberman, July 15, 1909.--Forest conservation in Missouri, by H. von Schrenk, p. 60-1; How much does it cost to grow timber? by R. S. Kellogg and E. A. Ziegler, p. 70-4.

- St. Louis lumberman, August 1, 1909.--Preventing blue stain in yellow pine, p. 72; Report of Committee Q of the American society for testing materials, p. 74-9.
- Southern lumberman, August 14, 1909.--The Victor balata belt, p. 54-6.
- Timberman, July, 1909.--Replanting Australian forests, p. 59.
- Wood craft, August, 1909.--The art of hardwood finishing, by A. A. Kelly, p. 131-3; The forestry building at Seattle and its contents, by O. Thompson, p. 142-5; Combustibility and the fire-proofing of wood, p. 148-9.

Forest Journals

- Allgemeine Forst - und Jagd-Zeitung, August, 1909.--Ueber die Holznutzung und den Altersklassenstand in den württembergischen Staatsforsten (Wood utilization and age classes in the state forests of Württemberg), by Müller, p. 265-70; Grosse Aufforstungspläne in Grossbritannien (Great afforestation scheme in Great Britain), by A. Schwappach, p. 270-3.
- Allgemeine Forst - und Jagd-Zeitung, supplement, 1909.--Waldbau (Silviculture), by H. Mayr, p. 1-17; Forstbenutzung (Forest utilization), by H. Mayr, p. 17-21; Forsteinrichtung (Forest management), by U. Müller, p. 22-5; Waldwertrechnung und forstliche Statik (Forest valuation and statics), by U. Müller, p. 25-9; Holzmass - und Ertragskunde (Forest measurements and yield), by U. Müller, p. 29-31; Forstverwaltung, Forstgeschichte, Forstpolitik, Forststatistik, Forstvereine, und Jagdwesen (Forest administration, history, policy, statistics, forestry associations, and hunting), by W. Borgmann, p. 31-60; Zoologie (Forest zoology), by K. Eckstein, p. 60-75; Forstliche Botanik (Forest botany), by R. Beck, p. 75-87; Forstliche Bodenkunde (Forest soils), by G. Eleuel, p. 87-107.
- Forest leaves, August, 1909.--Narrative of the Mt. Pocono meeting of the Pennsylvania forestry association, p. 50-6; The local sawmill, by A. S. Haines, p. 56-7; The present status of the forestry problem, by S. B. Elliott, p. 58-63.
- Forstwissenschaftliches Centralblatt, July, 1909.--Die Baumschulen von H. H. Pein in Halstenbek (The nurseries of H. H. Pein in Halstenbek), by von Reitzenstein, p. 353-64; Die Jagd und ihre Nutzung in der preussischen Forstverwaltung (The hunt and its use in Prussian forest administration), by D. W. Kessler, p. 364-74.
- Indian forester, June-July, 1909.--The American forest service, by T. S. Woolsey, p. 313-46; Some notes of a tour in Ceylon, by S. Eardley-Wilmot, p. 346-53; Reproduction of teak in Burma, by H. C. Walker, p. 367-76; Sylvicultural notes on Hardwickia binata, by L. S. Osmaston, p. 376-86; The effects of forests on rainfall, by E. Batchelor, p. 391-3.

- Minnesota forester, July, 1909.---The danger of summer fires, p. 73-5; The soil in relation to forestry, by D. E. Willard, p. 75-8; Timber roads, by J. Stewart, p. 78-81; The Itasca summer school, p. 81-2; Some animals in Itasca Park; heavers, by D. Lange, p. 83-4.
- Revue des eaux et forêts, July 1, 1909.---L'impôt des forêts (Forest taxes), by M. Rothéa, p. 385-6.
- Revue des eaux et forêts, July 15, 1909.---Exemples de placements forestiers; pin sylvestre en montagne (Examples of forest investments; Pinus sylvestris on mountains), by A. d'Alverny, p. 417-22; La maladie des chataigniers aux Etats-Unis et en Europe (The chestnut disease in the United States and Europe), by E. Henry, p. 422-32.
- Tharander forstliches Jahrbuch, 1909.---Ueber den Einfluss der Anbaumethode auf den Ertrag der gemeinen Kiefer (The influence of cultivation methods on the yield of Pinus sylvestris), by M. Kunze, p. 1-26; Weitere Dungungsversuche in einem Saatkamp auf Sandsteinboden. (Further fertilizing experiments in a nursery on sandstone soil), by H. Vater, p. 93-121.
- Zeitschrift für Forst - und Jagdwesen, June, 1909.---Der Kiefernnsamen (Pine seeds), by Haack, p. 353-81.

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CURRENT LITERATURE FOR SEPTEMBER

1909

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

Studien über die Grundbegriffe und die Systematik der Forstwissenschaft (Studies in the principles and the systems of forestry); L. Wappes. 1909. 73 p. P. Parey, Berli

FOREST BOTANY

The forest flora of New South Wales; J. H. Maiden. Part 35, 1909. 82 p. Illus. Govt. printer, Sydney, N. S. W.

Forest Geography

Forest conditions in the Crow's Nest valley, Alberta; H. R. Macmillan. 1909. 22 p. Illus. Bulletin 5, Forestry branch, Dept. of the Interior, Ottawa, Canada.

The forests of Mindoro; M. L. Merritt. 1908. 51 p. Illus. Bulletin 8, Bureau of forestry, Manila, P. I.

SILVICS

Big shellbark; kingnut hickory (*Hicoria laciniosa*). 1909. 4 p. Silvical leaflet, 50, Forest service.

Jack pine (*Pinus divaricata*). 1909. 4 p. Silvical leaflet 44, Forest service.

Limber pine (*Pinus flexilis*). 1909. 4 p. Silvical leaflet 46, Forest service.

Pignut hickory (*Hicoria glabra*). 1909. 4 p. Silvical leaflet 48, Forest service.

Pinon pine (*Pinus edulis*). 1900. 4 p. Silvical leaflet 47, Forest service.

Red or Norway pine (*Pinus resinosa*). 1909. 4 p. Silvical leaflet 43, Forest service.

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FOREST MANAGEMENT

Planting

Etude sur la cote et les dunes du Médoc (Study of the coast and the dunes of Médoc); P. Buffault. 1897. 316 p. Illus. Impr. Tehl, Souvigny.

Organization & Administration

India-Baluchistan-Forest dept. Progress report of forest administration for 1907-8. 1909. 44 p. Calcutta.
India-Central Provinces-Forest dept. Report on forest administration for the year 1907-8. 1909. 133 p. Nagpur.
India-United Provinces-Forest dept. Annual progress report of forest administration for the forest year 1907-1908. 1908. 150 p. Allahabad.
Minnesota-Forestry commissioner. 14th annual report, 1908. 1909. 160 p. Illus. St. Paul, Minn.
New Jersey-Forest park reservation commission. 4th annual report for 1908. 1909. 147 p. Illus. Paterson, N. J.
Queensland-Dept. of public lands. Annual report for the year 1908. 1909. 108 p. Brisbane.
United States-Forest service. Field program, Sept., 1909. 30 p.

National & State Forests

The Riding Mt. forest reserve; J. R. Dickson. 1909. 42 p. Illus. Bulletin 6, Forestry branch, Dept. of the interior, Ottawa, Canada.

UTILIZATION

Indian woods and their uses; R. S. Troup. 1909. 491 p. Supt. of government printing, Calcutta.
Properties and uses of the southern pines; H. S. Betts. 1909. 30 p. Illus. Circular 164, Forest service.

Products

Erfahrungen auf dem Gebiete der Korbweidenzucht (Experiences in the cultivation of osiers); Poninski-Coseeger. 1907. 16 p. P. Parey, Berlin.
Kurze Anweisung zur Korbweidenzucht (Brief instructions for the culture of osiers); J. A. Krahe. 1902. 16 p. R. Barth, Aachen.
Rubber and its relatives. 1909. 20 p. Illus. International bureau of American republics, Washington, D. C.

Forest management in the United States is a subject of great importance. It involves the proper use of the forest resources of the country. The forest is a source of timber, fuel, and other products. It is also a source of recreation and a source of beauty. The forest is a part of our national heritage and it is our duty to protect it for the future.

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STATISTICS

- Der Holzhandel Norddeutschlands (The lumber trade of northern Germany); J. Marchet. 1908. 227 p. Illus. F. Deuticke, Leipzig & Wien.
- Poles purchased, 1908. 1909. 8 p. Forest products no. 9, Bureau of the census.
- Record of wholesale prices of lumber based on actual sales made f.o.b. each market, for August, 1909. 19 p. Forest service.
- Record of wholesale prices of lumber based on actual sales made f.o.b. mill for April, May, and June, 1909. 13 p. Forest service.
- Tanbark and tanning extracts, 1908. 1909. 10 p. Forest products no. 4, Bureau of the census.

LAW

- Forest fire law of Minnesota. 1909. 6 p. Forest commissioner, St. Paul, Minn.

PROCEEDINGS OF ASSOCIATIONS

- Pacific northwest forest protection and conservation association. Proceedings, Spokane, Wash., 1909. 63 p. The Timberman, Portland, Oreg.

STREET & PARK TREES

- Newark, N. J.-Shade tree commission. 5th annual report, 1908. 64 p. Illus.

FOREST ENEMIES

Insects

- The gum-tree scale; T. W. Kirk. Ed. 2, 1909. 8 p. Illus. Bulletin 13, Division of biology, Dept. of agriculture, Wellington, N. Z.
- The poplar and willow borer; W. J. Schoene. 1907. 24 p. Illus. Bulletin 286, New York agricultural experiment station, Geneva, N. Y.

Diseases of Trees

- The present status of the chestnut bark disease; H. Metcalf and J. F. Collins. 1909. 10 p. Illus. Bulletin 141, pt. 5, Bureau of plant industry, U. S. Dept. of agriculture.
- The present status of the white-pine blights; P. Spaulding. 1909. 12 p. Circular 35, Bureau of plant industry, U. S. Dept. of agriculture. 3

IRRIGATION

- Irrigation in Idaho; J. Stephenson. 1909. 59 p. Bulletin 216, Office of experiment stations, U. S. Dept. of agriculture.
- Irrigation in North Dakota; T. R. Atkinson. 1909. 39 p. Bulletin 219, Office of experiment stations, U. S. Dept. of agriculture.

PERIODICALS

General

- American homes, July, 1909.--Trimming old trees, by E. P. Powell, p. 270.
- Appalachia, July, 1909.--The crescentic dunes of Peru, by A. E. Douglas, p. 34-45.
- Bulletin of the International union of the American republics, August, 1909.--The hardwoods of the Americas; mahogany, p. 386-402.
- Bulletin of the Torrey botanical club, August, 1909.--The western American birches, by B. T. Butler, p. 421-440.
- Collier's, Sept. 18, 1909.--Patriotism and waste, by C. R. Van Hise, p. 23, 36, 41.
- Conservation, Sept., 1909.--Home-building for the nation, by Gifford Pinchot, p. 521-5; The national irrigation situation, by F. H. Newell, p. 527-31; Notes on some foreign forests, by C. E. Bessey, p. 533-7. The abandoned farm, by J. O. Smith, p. 539-43; Attitude of the administration toward the reclamation of the arid lands of the west, by R. A. Ballinger, p. 544-7; The interests versus the people, by T. E. Will, p. 566-71.
- Cosmos, Sept. 11, 1909.--Les incendies de forêts (Forest fires), by D. Bellet, p. 291-5.
- Gardeners' chronicle, Aug. 7, 1909.--Pinus pumila Regel, by A. B. Jackson, p. 93.
- Harper's weekly, Aug. 7, 1909.--Our national bonfires, by W. C. Barnes, p. 8-9.
- Housekeeper, Sept., 1909.--Our national waste, by B. Adams, p. 16-17.
- Independent, Sept. 2, 1909.--The task of the Forest service, by O. W. Price, p. 537-45.
- Journal of botany, Sept., 1909.--Quercus nigra, by J. Britten, p. 349-51.
- Minnesota farm review, Aug., 1909.--The preservative treatment of fence posts, by E. G. Cheney, p. 154-5.
- Minnesota horticulturist, August, 1909.--The economic value of the Norway poplar, by E. Sahler, p. 293-9.
- Outlook, July 24, 1909.--Patriots in the public service, by L. B. Stowe, p. 718-20.

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- Philippine journal of science, May, 1909.--The economic possibilities of the mangrove swamps of the Philippines, by R. F. Bacon & V. G. Gana, p. 205-10.
- Plant world, Aug., 1909.--Causes of timberline on mountains, by C. H. Shaw, p. 169-81.
- Portland chamber of commerce bulletin, Sept., 1909.--Putting money into Oregon timber, by T. B. Newhausen, p. 115-17.
- Railroad man's magazine, Sept., 1909.--Heroes of the burning woods, by W. A. Williams, p. 579-87.
- Scientific American suppl., July 31, 1909.--Fireproofing wood and textiles, p. 70.
- Transvaal agricultural journal, July, 1909.--Instructions on osier growing and preparing for the basketmaker, by J. S. Ingle, p. 658-61.
- Van Norden magazine, Oct., 1909.--Pinchot vs. Ballinger; the duel for conservation, by Robert Wickliffe Woolley, p. 109-13.

Trade Journals & Consular Reports

- American lumberman, Aug. 21, 1909.--Policy of Forest service in selling timber and fixing stumpage prices, by W. T. Cox & G. M. Cornwall, p. 35-6; Cooperation between the government, the private owner, and the state, in protection from forest fires, by W. B. Greeley & A. W. Laird, p. 37-8; Attitude of lumbermen toward forestry, by G. S. Long, p. 38-9.
- American lumberman, Aug. 28, 1909.--Peculiarities of lumbering in the Central American forests, by E. Perry, p. 36.
- American lumberman, Sept. 4, 1909.--Conservation under a national association's care, p. 41-4; The interest of the Pacific northwest in forest conservation, by F. H. Lamb, p. 41-2; Waste in lumber manufacture, by J. B. White, p. 42-3.
- American lumberman, Sept. 11, 1909.--Wood waste problem solved; process for production of ethyl alcohol from slabs, sawdust and shavings, p. 59-66.
- Carriage monthly, Sept., 1909.--Ash trees, p. 35.
- Craftsman, July, 1909.--America the prodigal; the possibility of a famine in wood and what can be done to avert it, by C. R. Lamb, p. 37-82.
- Engineering and mining journal, Aug. 28, 1909.--Selection and framing of timber, by W. L. Fleming, p. 423.
- Engineering record, Aug. 7, 1909.--Standard specifications for grading structural timber, p. 150-1; A timber treating plant at Madison, Ill., p. 160-2.
- Engineering record, Aug. 21, 1909.--Relation of the federal government to undeveloped water power on navigable streams, by J. E. Sirrine, p. 207-8.
- Hardwood record, Aug. 25, 1909.--Precious wood veneers, by G. E. Walsh, p. 24-5.

- U. S. daily consular report, Sept. 1, 1909.--Balsam industry in Salvador, by A. H. Frazier, p. 6-7.
- U. S. daily consular report, Sept. 9, 1909.--German wood pulp; exports to United States; methods of manufacture, by R. P. Skinner, p. 10; Creosoting railroad ties; Swedish experiments with wood tar oil instead of coal tar, by E. D. Winslow, p. 11.
- U. S. daily consular report, Sept. 15, 1909.--Scientific forestry in Germany, by T. St. J. Gaffney, p. 11.
- U. S. daily consular report, Sept. 22, 1909.--Orinoco rubber forests, by Isaac A. Manning, p. 10-11.
- Wood craft, Sept., 1909.--The mahogany-tree, its growth and nature, by J. Gifford, p. 159-62; A talk about the staining of woods, by A. A. Kelly, p. 163-5; What happens in the drier?, by J. F. Hobart, p. 165-8.
- Woodworkers' review, Sept., 1909.--How to figure the strength of timbers, by T. B. Kidner, p. 370-2; Notes on hardwood finishing, by E. H. Brown, p. 384-6.

Forest Journals

- Bulletin de la Société centrale forestière de Belgique, July-August, 1909.--A travers le Harz (Across the Harz Mts.), by G. Quérivet, p. 465-78.
- Centralblatt für das gesamte Forstwesen, July, 1909.--Über die wirtschaftlichen Beziehungen zwischen Waldbau und Forsteinrichtung (On the scientific relation between silviculture and forest organization), by L. Hufnagl, p. 289-99; Aus dem Gebiete der Waldwertrechnung; ein Beitrag zur Rauchschadenersatzfrage (In the sphere of forest valuation; a contribution to the question of reparation for damage by smoke), by E. A. Nossek, p. 299-304.
- Forstwissenschaftliches Centralblatt, August, 1909.--Die Anwendbarkeit des Wagner'schen Verjüngungsverfahrens (The practicableness of the Wagner reproduction method), by L. Fabricius, p. 401-7; Die Ausbildung der bayerischen Forstverwaltungsbeamten (The training of Bavarian forest officers), by E. Ramann, p. 407-15; Aufforstung im Hochgebirge (Afforestation on high mountains), by Dr. von Fürst, p. 415-18; Waldbrand-Versicherung (Forest fire insurance), by Keiper, p. 418-21.
- Indian forester, Aug., 1909.--Afforestation and timber planting in Great Britain and Ireland, by J. Nisbet, p. 421-45.
- Minnesota forester, Aug., 1909.--Forest taxation, p. 86-8.
- Revue des Eaux et Forêts, Aug. 1, 1909.--La forêt domaniale de Vierzon (The state forest of Vierzon), by P. Buffault, p. 449-74.

Revue des Eaux et Forêts, Aug. 15, 1909.--Le Merulius lacrymans, by A. Ména, p. 481-4; L'évaluation de la propriété forestière (The valuation of forest property), by A. Arnould, p. 489-92; Influence de l'éclaircie des cèpes sur la croissance en grosseur des rejets réservés (The influence of the thinning of sprouts on the diameter growth of those reserved), by E. Mer, p. 492-7.

Zeitschrift für Forst-und Jagdwesen, July, 1909.--Wirkung von Frösten während der Vegetationsperiode (Effect of frosts during the growing period), by P. Graebner, p. 421-31.

Zeitschrift für Forst-und Jagdwesen, August, 1909.--Beitrag zur Forstästhetik (Contribution to forest aesthetics), by H. Von Salisch, p. 489-502; Zur Kritik der Fundamentalsätze der forstlichen Bodenrententheorie (A criticism of the fundamental principles of the theory of forest soil revenues), by E. Ostwald, p. 521-6; Deutsche und fremde Nadelholzer in Schleswig-Holstein (German and foreign conifers in Schleswig-Holstein), by A. Schwappach, p. 527-9.

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CURRENT LITERATURE FOR OCTOBER

1909

Compiled by the Librarian of the Forest Service

FORESTRY-GENERAL

- The future of the forests; E. T. Allen. 10 p. Oregon conservation association, Portland, Oreg.
The status of forestry in the United States; T. Cleveland. 1909. 39 p. Circular 167, Forest service.

FOREST BOTANY

- Encyclopédie des saules (Encyclopedia of willows); G. de la Barre. 1904. Text and atlas. Illus. Libr. Lechevalier, Paris.

Forest Geography

- Forest conditions in Ohio; W. J. Green & E. Secrest. 1909. 40 p. Illus. Bulletin 204, Ohio agricultural experiment station, Wooster, O.
Pflanzengeographie (Plant geography); L. Diels. 1908. 163 p. G. J. Goschen, Leipzig.

SILVICS

- A study of piñon pine; F. J. Phillips. 1909. 8 p. University of Chicago Press, Chicago, Ill.

EDUCATIONAL

- Forestry in nature study. 1909. 10 p. Special circular, Office of experiment stations, U. S. Dept. of agriculture.

Geographical Institute, Department of Forestry, Agricultural
1909, 6 p. Circular 1, Department of Forestry, Agricultural
Experiment Station, Berlin, 1909.
The Department of Forestry in the German Empire
J. B. Schöner, Berlin.

Geographical Institute, Department of Forestry, Agricultural
Experiment Station, Berlin, 1909.
The Department of Forestry in the German Empire
J. B. Schöner, Berlin.

Geographical Institute, Department of Forestry, Agricultural
Experiment Station, Berlin, 1909.
The Department of Forestry in the German Empire
J. B. Schöner, Berlin.

Geographical Institute, Department of Forestry, Agricultural
Experiment Station, Berlin, 1909.
The Department of Forestry in the German Empire
J. B. Schöner, Berlin.

Geographical Institute, Department of Forestry, Agricultural
Experiment Station, Berlin, 1909.
The Department of Forestry in the German Empire
J. B. Schöner, Berlin.

FOREST MANAGEMENT

- Der deutsche Eichenschälwald und seine Zukunft (The German oak coppice forests and their future); F. Jentsch. 1899. 272 p. J. Springer, Berlin.
- Der deutsche Wald (The German forest); M. Buesgen. 176 p. Illus. Quelle & Meyer, Leipzig.

Planting

- Cooperative experiments in forest planting; F. J. Phillips. 1909. 6 p. Circular 1, Dept. of forestry, Agricultural experiment station, Lincoln, Nebr.
- Die Pflanzenzucht im Walde (Planting and nursery practice in the forest); H. von Fürst. 4th ed., 1907. 383 p. J. Springer, Berlin.

Cultural

- A cultura do eucalyptus (Eucalyptus culture); E. Navarro de Andrade. 1909. 156 p. Illus. Rothschild & Cia, S. Paulo, Brazil.

Organization & Administration

- Canada-Dept. of the interior-Forestry branch. Report of the Superintendent of forestry, 1909. 96 p. Illus. Ottawa, Canada.
- Great Britain-Commissioners of woods, forests and land revenues. 87th report. 1909. 113 p. London.
- Das Oberförstersystem in den deutschen Staatsforstverwaltungen (The head-forester system in German state forest administration); O. von Benthheim. 1903. 219 p. J. Springer, Berlin.
- U. S.-Forest service. October field program, 1909. 28 p.

National and State Forests

- The Forest service operating the forest reserves, as it affects the welfare of the people; J. A. Eddy. 1909. 28 p. Denver, Colo.

Land Policy

- The public domain, its history, present status and logical future under a republican form of government; J. A. Eddy. 1909. 8 p. Denver, Colo.

PROCEEDINGS OF ASSOCIATIONS

- Report of the British timber conference, under the joint auspices of the Royal English arboricultural society and the Timber trade federation of the United Kingdom, held June 16, 1909. 48 p. Illus. London.
- Society of American foresters. Proceedings, vol. 4, no. 2, 1909. 98 p. Washington, D. C.
- University of Nebraska-Forest club. Program, 1909-10. 4 p. Lincoln, Nebr.

FOREST ENEMIES

Insects

- Barkbeetles of the genus *Dendroctonus*; A. D. Hopkins. 1909. 169 p. Illus. Bulletin 83, pt. 1, Bureau of entomology, U. S. Dept. of agriculture.

DEFORESTATION

- Deforestation and its effects among the hills of southern Indiana; G. Culbertson. 1908. 11 p. Indiana academy of science, Indianapolis.

GRAZING

- Coyote-proof pasture experiment, 1908; J. T. Jardine. 1909. 40 p. Illus. Circular 160, Forest service.

IRRIGATION

- Drainage of irrigated lands; C. F. Brown. 1909. 52 p. Illus. Farmers' bulletin 371, U. S. Dept. of agriculture.
- Drainage of irrigated lands in the San Joaquin valley, California; S. Fortier & V. M. Cone, 1909. 58 p. Illus. Bulletin 217, Office of Experiment stations, U. S. Dept. of agriculture.

ARBORETUMS

- Arboretum de Groënedael; catalogue. 1909. 96 p. F. van Buggerhoudt, Bruxelles.

Outline.
Outline of irrigated lands in the San Joaquin valley;
California; E. Foster & V. M. Goss, 1903. 38 p.
Irrig. Bulletin 217, Office of Experiment Stations.
U. S. Dept. of Agriculture.

ABSTRACTS

Outline of irrigated lands in the San Joaquin valley;
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Irrig. Bulletin 217, Office of Experiment Stations.
U. S. Dept. of Agriculture.

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Irrig. Bulletin 217, Office of Experiment Stations.
U. S. Dept. of Agriculture.

-3-

Geschichte der Holzzoll und Holzhandelsgesetzgebung in Bayern (History of the lumber tariff and the timber trade laws of Bavaria); W. Jucht. 1905. 183 p. J. Springer, Berlin.

PERIODICALS

General

- Botanical gazette, Sept., 1909.--A study of piñon pine, by F. J. Phillips, p. 216-23.
- Bulletin of the International union of the American republics, Sept., 1909.--The hardwoods of the Americas; Quebracho, p. 533-60.
- Bulletin of the International union of the American republics, Oct., 1909.--Chicle, the basis of chewing gum; p. 707-15.
- Conservation, Oct., 1909.--Seventeenth national irrigation congress, p. 589-93; Destruction of the northern forests, and its effect on the future of the central states, by A. Erixon, p. 599-605; Classification of public lands, by G. O. Smith, p. 619-22; Work on a national forest; ex-rangers, by C. H. Shinn, p. 623-6; The farm community, by L. H. Bailey, p. 627-30.
- Country life in America, Sept., 1909.--Studies among our doorway trees, by J. E. Rogers, p. 515.
- Current literature, Oct., 1909.--Pinchot, a millionaire with a mission, p. 388-91.
- Garden magazine, Nov., 1909.--Fall planting tables for south and north; by P. J. Berckmans, p. 173-5.
- Hampton's magazine, Nov., 1909.--The Pinchot-Ballinger controversy, by J. L. Mathews, p. 659-74.
- Harper's weekly, Oct. 9, 1909.--State control of private forests, by W. T. Howell, p. 32.
- Independent, Oct. 7, 1909.--Taking care of our trees, p. 837-9.
- Journal of the New York botanical garden, Sept., 1909.--Protection of shade trees against fungi, by W. A. Murrill, p. 198-205.
- La Follette's weekly magazine, Oct. 9, 1909.--Pinchot or Ballinger-which?, p. 3-4.
- Outlook, Sept. 25, 1909.--Pinchot-Ballinger controversy;
p. 131-3.
- Pacific marine review, Sept., 1909.--Wood borers; destruction of and preservation of piling, by R. B. H., p. 23.
- Pacific monthly, Oct., 1909.--The eucalyptus industry in California, by F. A. Pattee, p. 423-7.

- Philippine agricultural review, June, 1909.--How to transplant a tree, by H. Cuzner, p. 309-10.
- Philippine agricultural review, July, 1909.--Four years' experience growing rubber trees on Basilan, by C. F. Miller, p. 395-404.
- Plant world, Sept., 1909.--*Quercus leana*, a hybrid oak, by L. W. Sauer, p. 198-201; The light requirement of plants, by J. Y. Bergen, p. 201-5.
- Popular science monthly, Oct., 1909.--The Atlantic forest region of North America, by S. Trotter, p. 370-92.
- Progressive farmer, Oct. 21, 1909.--Mr. Ashe on forest management, by W. W. Ashe, p. 2.
- Review of reviews, Oct., 1909.--Where our mahogany comes from, p. 493-5.
- Rod and gun in Canada, Oct., 1909.--What our neighbors are doing in forestry, by C. Cameron, p. 418-21.
- World's work, Oct., 1909.--Conservation as a measure of men and of administrations, p. 12084-6.
- World today, Sept., 1909.--Women of California save the big trees, by B. Buchanan, p. 992-4.

Trade Journals and Consular Reports

- American lumberman, Sept. 25, 1909.--The truth about the Menominee Indian saw mill, p. 34-5.
- American lumberman, Oct. 2, 1909.--Logging in the north in past and present, p. 87; Romance of the lumber camp a thing of the past, by J. E. Defebaugh, p. 91, 93; Jamaican dyewood, p. 93.
- American lumberman, Oct. 9, 1909.--The forest fire, its cause, and the means of prevention, p. 31; Destruction of forests and state provisions for their removal and preservation, by G. X. Wendling, p. 32.
- American lumberman, Oct. 16, 1909.--Argument for organization by timber owners, by E. T. Allen, p. 41; Work of the Washington forest fire association, by D. P. Simons, p. 41-2.
- Carriage monthly, Oct., 1909.--The growth of trees, by H. S. Graves, p. 33.
- Engineering news, Sept. 2, 1909.--Wood paving in Kensington, Eng., by W. Weaver, p. 250-1; Difficulties in the practical work of creosoting timber, by J. C. Oakes, p. 259-62.
- Hardwood record, Oct. 10, 1909.--Paper birch, p. 18-19; Lumbering in the Adirondacks, p. 19-22; Articulated locomotives for logging service, p. 24-5; The lumber industry in Paraguay, p. 26-8.
- Lumber review, Oct. 1, 1909.--Forest resources of South America, p. 14.

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...the ...

- Miss. Valley lumberman, Sept. 24, 1909.--The old and the new; ancient and modern methods of handling logs and lumber; p. 37-3.
- Pacific lumber trade journal, Sept., 1909.--Relation of timber taxation to conservation, by F. W. Mulkey, p. 19.
- Paper mill, Sept. 25, 1909.--Preparation of wood, by M. L. Griffin, p. 2.
- Paper mill, Oct. 9, 1909.--The spruce tree state, by R. L. Marston, p. 19, 22; 36.
- Paper trade journal, Sept. 30, 1909.--Pulp and paper making in Russia, p. 38-40; The marvels of cellulose, p. 44-46; Papyrus as a paper making material, by M. D. Gaston, p. 46.
- St. Louis lumberman, Sept. 15, 1909.--A vacation in Honolulu and Hawaii, by W. Beal, p. 68-72; Philadelphia's specifications for yellow pine paving blocks, p. 55.
- Southern industrial and lumber review, Sept., 1909.--Taxation and forest conservation, by E. Irwin, p. 36; Story of wood pulp, p. 81.
- Southern lumberman, Sept. 25, 1909.--Lumbering on national forests, by H. C. Hallam, p. 30-1.
- Southern lumberman, Oct. 9, 1909.--Timber resources of the Philippines, by G. E. Nesom, p. 18-19.
- Southern lumberman, Oct. 16, 1909.--Summer work of Georgia forest school, by A. Akerman, p. 31.
- Timber trade journal, Oct. 2, 1909.--Re-use of wood paving blocks, by W. Oxtoby, p. 487.
- Timberman, Oct., 1909.--Some interesting aspects of the great redwood belt of California, p. 20-3; Forest taxation, by J. B. Walker, p. 32-A; What the Forest service has accomplished toward protecting the national forests from fire, by J. H. Hatton, p. 32 A-B.
- U. S. daily consular reports, Sept. 27, 1909.--Charcoal in Japan, by W. Gassett, p. 9; Cedar wood products; pencil material and distilled oil in German markets, by R. P. Skinner, p. 15.
- U. S. daily consular reports, Sept. 30, 1909.--Rubber industry expanding; the world's production and consumption of the products, by L. H. Washington, p. 7.
- U. S. daily consular reports, Oct. 2, 1909.--Steel railway ties; metal sleepers being substituted for wood in Europe, by H. A. Johnson, p. 3.
- U. S. daily consular reports, Oct. 4, 1909.--Québracho for tanning; Plata River region source of supply, by F. W. Goding, p. 1-2.
- Wood craft, Oct., 1909.--Practical talks on hardwood finishing, by A. A. Kelly, p. 6-9; Storing dry lumber, by J. F. Hobart, p. 10-11; The finer points in hardwood flooring manufacture, by C. T. Mason, p. 17-19; Where mahogany grows; Florida and the West Indies, by J. Gifford, p. 19-22.
- Woodworkers' review, Oct., 1909.--How to figure the strength of timbers, by T. B. Kidner, p. 420-2; Warping of wood and methods for its prevention, p. 430-2.

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, Sept., 1909.--Ueber Holzvorratsüberschüsse und Anlage von Reservefonds für Staatsforsten (Surplus standing crop and the establishment of reserve stock for state forests), by Müller, p. 297-302; Anzucht von Waldmänteln (Cultivation of shelter trees), by Frey, p. 305-6.
- Bulletin de la Société centrale forestière de Belgique, Sept., 1909.--La forêt de St. Michel (The forest of St. Michel), by G. Quérivet, p. 505-18; Règlement sur les insectes nuisibles aux peuplements résineux (Law for the injurious insects of coniferous forests), p. 518-21; Expériences sur l'emploi des engrais en sylviculture (Experiences with fertilizers in silviculture), p. 521-4.
- Centralblatt für das gesamte Forstwesen, Aug.-Sept., 1909.--Analytische Untersuchung des Begriffes der Holzstärke (Analytical investigation of the theory of the hardness of wood), by N. von Lorenz, p. 348-87; Erbllichkeit bei Buche und Eiche (Heredity of beech and oak), by L. A. Hauch, p. 333-48; Die Wirkung des Frostes auf die grüne und blaue Douglasie (The action of frost on the green and the blue Douglas fir), by E. Zederbauer, p. 387-8; Imprägnierung von Buchenschwellen (Impregnating beech sleepers), by N. von Lorenz, p. 388-90.
- Forest leaves, Oct., 1909.--Arbor day planting, by S. B. Elliott, p. 66-8; Taxing land held for reforestation, by J. Ruddle, p. 72-5; Financial drawbacks to the practice of private forestry, by J. A. Ferguson, p. 75-8.
- Forstwissenschaftliches Centralblatt, Sept.-Oct., 1909.--Die Hochdurchforstung im Laubwalde (Heavy thinning in deciduous forests), by Schubert, p. 461-74; Ein Holzhauer Kamp in Longleaf-Pine-Gebiet der Vereinigten Staaten (A lumber camp in the longleaf pine region of the United States), by F. Harrer, p. 488-98.
- Indian forester, Sept., 1909.--The distribution and cultivation of *Acacia arabica* in Berar, by S. Nayadu, p. 491-512; *Fomes lucidus*, a suspected parasite, by E. J. Butler, p. 514-18; The inadequacy of home grown timber in France, by F. H. Mason, p. 543-8; Forestry in Japan, p. 550-1.
- Minnesota forester, Oct., 1909.--With the Forest service in Montana, by W. H. Kenety, p. 113-17.
- Quarterly journal of forestry, Oct., 1909.--Creosoting timber for estate purposes, by E. R. Pratt, p. 305-8; Private railway-sidings, by E. R. Pratt, p. 308-10; The natural pine forests on the Ulea River, north central Finland, by H. P. Price, p. 311-20; Afforestation and deforestation in Scandinavia, by C. Siewers, p. 321-6; Experiment with seed of *Pinus sylvestris*, by F. Story, p. 326-9; Timber hauling for estate purposes; steam vs. horsepower, by J. Bennett, p. 330-1; The reafforestation of wastes, by C. J. von Schermbeek, p. 332-9;

- Notes on a trip to Portugal, by H. J. Elwes, p. 339-42; Afforestation schemes, by P. T. Maw, p. 342-5; The beech locus, by M. C. Duchesne, p. 345-50; Report on the forestry exhibition at the Royal agricultural society of England's show at Gloucester, June 22-26, 1909, by M. P. Price, p. 374-81.
- Revue des Eaux et Forêts, Sept., 1909.--Service forestier Indochinois (The forest service of Indochina), p. 513-23, 545-50; Le chêne de Juiri (*Quercus pedunculata* var. *tardissima*), by Bauchery, p. 535-8.
- Revue des Eaux et Forêts, Oct. 1, 1909.--L'estimation du bois d'œuvre chêne (Valuation of oak timber), by Roulleau, p. 577-83; Le massif forestier de la Puisaye (The heavy forest of Puisaye), by R. de Saligny, p. 584-91; Quelques notes sur le Douglas (Notes on Douglas fir), by D. Cannon, p. 591-6.
- Woodland and roadside, Nov., 1909.--A Cape forest fire, p. 37-40.
- Zeitschrift für Forst-und Jagdwesen, Sept., 1909.--Beiträge zur Kenntnis nichtparasitärer Pflanzenkrankheiten an forstlichen Gewächsen (Contributions to the knowledge of non-parasitic plant diseases of forest trees), by P. Graebner, p. 573-91; Der Irrweg der forstlichen Statik (Errors in forest statics), by Frey, p. 591-601; Das Leimen als Kampfmittel gegen die Nonne (Lime as a means of combatting the nun moth), by Laspeyres, p. 601-7.

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Issued December 1, 1909.

CURRENT LITERATURE FOR NOVEMBER

1909

Compiled by the Librarian of the Forest Service

FOREST BOTANY

- Forest flora of New South Wales; J. H. Maiden. Pt. 36, 1915 p. Illus. Government printer, Sydney, N. S. W.
- The forests and exotic trees of Colorado; E. A. Mills & W. G. M. Stone. 1905. 32 p. Illus. Colorado state forestry association, Denver, Colo.
- Key to New England trees, wild and cultivated; J. F. Collins and H. W. Preston. 1909. 42 p. Preston & Rounds Co., Providence, R. I.

Forest Geography

- Report on the forests of British East Africa; D. E. Hutchins. 1909. 155 p. Illus. Darling & Son, London.

SILVICS

- Contributions à l'absorption de l'azote par la forêt (Contributions concerning the absorption of nitrogen by the forest); G. Zemplén & J. Roth. 1908. 20 p. Illus. A. Joerges, Selmechbánya, Hungary.

EDUCATIONAL

- Yale forest school. Prospectus, 1909-10. 1909. 27 p. New Haven, Conn.

[Faint handwriting, likely bleed-through from the reverse side]

FOREST MANAGEMENT

- The care of the farm woodlot; G. E. Tower. 1908. 4 p.
University of Maine, Orono, Me.
Cooperative demonstration forestry; University of Maine.
1909. 10 p. Illus. Orono, Me.

Lumbering

- The practical lumberman; short methods of figuring lumber octagon spars, logs; B. Brereton. 1908. 119 p.
Illus. The author, Tacoma, Wash.
Lumber manufacture on Appalachian headwaters by the R. E. Wood companies of Baltimore, Md. 1909. 32 p.
Illus. American Lumberman, Chicago.

Planting

- Eucalypts cultivated in the United States; C. Westergaard. 1909. 24 p. Reprint from Forestry Quarterly, Cambridge, Mass.
How to grow and plant conifers in the northeastern states. C. R. Pettis. 1909. 36 p. Illus. Bulletin 76 of the Forest service.

Organization and Administration

- New South Wales - Dept. of lands. Report of the forestry branch for the period 1st July, 1907, to 30th June, 1908. 1909. 31 p. Illus. Sydney, New South Wales.
United States Forest Service. November field program, 1909. 30 p.

National and State Forests

- The national forests of Arkansas. 1909. 5 p. Forest service, Washington, D. C.

UTILIZATION

- The trees of Commerce; W. Stevenson. Rev. ed., 1908. 274 p. W. Rider & Son, London.

The work of the Forest Management Division, U.S. Forest Service, is to provide technical assistance to the States and Territories in the development of their forest resources. This is done through the Forest Management Division, U.S. Forest Service, which is located in the Department of Agriculture, Washington, D.C.

Inventory

The Forest Management Division, U.S. Forest Service, is responsible for the inventory of the forest resources of the United States. This is done through the Forest Management Division, U.S. Forest Service, which is located in the Department of Agriculture, Washington, D.C.

Planning

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The Forest Management Division, U.S. Forest Service, is responsible for the organization and administration of the forest resources of the United States. This is done through the Forest Management Division, U.S. Forest Service, which is located in the Department of Agriculture, Washington, D.C.

National and State Forestry

The Forest Management Division, U.S. Forest Service, is responsible for the national and state forestry of the United States. This is done through the Forest Management Division, U.S. Forest Service, which is located in the Department of Agriculture, Washington, D.C.

Education

The Forest Management Division, U.S. Forest Service, is responsible for the education of the forest resources of the United States. This is done through the Forest Management Division, U.S. Forest Service, which is located in the Department of Agriculture, Washington, D.C.

STATISTICS

Imports of farm and forest products, 1906 - 1908; by countries from which consigned. 1909. 65 p. Bulletin 76, Bureau of statistics, U. S. Dept. of Agriculture.
Lumber, lath and shingle, 1908. 1909. 57 p. Forest products no. 2, Bureau of the census.

PROCEEDINGS OF ASSOCIATIONS

American lumber trades congress. Proceedings, 2d session, 1909. 36 p. A. B. Wastell, Sec., Portland, Oreg.
Oregon conservation association. Constitution and by-laws 1909. 12 p. Portland, Oreg.

FOREST ENEMIES

Insects

A lepidopterous pest of cocoanuts; H. C. Pratt. 1908. 6 Bulletin 4, Dept. of Agriculture, Kuala Lumpur, Federated Malay States.
Notes on *Termes gestroi* and other species of termites found on rubber estates in the Federated Malay States; H. C. Pratt. 1909. 12 p. Bulletin 1, Department of agriculture, Kuala Lumpur, Federated Malay States.
Observations on *Termes gestroi* as affecting the Para rubber tree; H. C. Pratt. 1909. 29 p. Illus. Bulletin 3, Dept. of agriculture, Kuala Lumpur, Federated Malay States.
Some insects injurious to forests; the southern pine sawyer J. L. Webb. 1909. 16 p. Illus. Bulletin 58, pt 4, Bureau of entomology, U. S. Dept. of agriculture.

Diseases of Trees

A preliminary note on a branch and stem disease of *Hevea braziliensis*; W. J. Gallagher. 1909. 6 p. Illus. Bulletin 6, Dept. of agriculture, Kuala Lumpur, Federated Malay States.
Root diseases of *Hevea braziliensis*, the Para rubber tree; W. J. Gallagher. 1909. 13 p. Bulletin 2, Dept. of agriculture, Kuala Lumpur, Federated Malay States.

Imports of raw and dressed hides, 1900-1901, by month.
 Hides from other countries, 1900-1901, by month.
 Hides from the United States, 1900-1901, by month.
 Hides from the United States, 1900-1901, by month.
 Hides from the United States, 1900-1901, by month.

PROCEEDINGS OF ASSOCIATIONS

American Indian Trade Commission, Proceedings, 24 sessions.
 American Indian Trade Commission, Proceedings, 24 sessions.
 American Indian Trade Commission, Proceedings, 24 sessions.
 American Indian Trade Commission, Proceedings, 24 sessions.
 American Indian Trade Commission, Proceedings, 24 sessions.

FOREIGN TRAVEL

France

A Frenchman's visit to the United States, 1900-1901, by month.
 A Frenchman's visit to the United States, 1900-1901, by month.
 A Frenchman's visit to the United States, 1900-1901, by month.
 A Frenchman's visit to the United States, 1900-1901, by month.
 A Frenchman's visit to the United States, 1900-1901, by month.

Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.

Observations on French travel and other matters of interest to the United States, 1900-1901, by month.
 Observations on French travel and other matters of interest to the United States, 1900-1901, by month.
 Observations on French travel and other matters of interest to the United States, 1900-1901, by month.
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Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.
 Notes on French travel and other matters of interest to the United States, 1900-1901, by month.

CONSERVATION OF NATURAL RESOURCES

Address before the 4th annual convention of the Lakes-to-the-Gulf deep waterway association, at New Orleans, on the afternoon of Oct. 30; G. Pinchot. 1909. 8 p. Washington, D. C.

Commercial importance of the White Mt. forests; P. W. Ayres. 1909. 32 p. Circular 168 of the Forest service.

GRAZING

Natural revegetation of depleted mountain grazing lands; progress report; A. W. Sampson. 1909. 28 p. Illus. Circular 169 of the Forest service.

IRRIGATION

A report on irrigation laws and litigation in Nevada; H. Thurtell and G. H. True. 1909. 57 p. Bulletin 69, Nevada agricultural experiment station, Reno, Nev.

CLIMATOLOGY

Climate considered especially in relation to man; R. D. Ward. 1908. 372 p. Illus. G. P. Putnam's sons, N. Y.

TRAVELS

On the great American plateau; wanderings among canyons and buttes, in the land of the cliff-dweller, and the Indian of to-day; T. M. Prudden. 1907. 243 p. Illus. G. P. Putnam's sons, N. Y.

PERIODICALS

General

American naturalist, Nov. 1909.--Vitality of pine seeds and the delayed opening of cones, by W. C. Coker, p. 677-81.

Bulletin of the International union of the American republics, Nov. 1909.--Commercial aspects of the forests of the Dominican Republic; by K. W. Woodward, p. 913-24.

- Bulletin of the Torrey Botanical Club, Nov., 1909.--Additions to the flora of the Carolinas, by W. C. Coker, p. 635-6; New North American crataegi, by W. W. Eggleston, p. 633-42.
- Collier's Weekly, Oct. 16, 1909.--Your own tree doctor, by E. P. Powell, p. 27; Birches of New England, by E. Björkman, p. 32.
- Collier's Weekly, Nov. 13, 1909.--The whitewashing of Ballinger; are the Guggenheims in charge of the Dept. of the interior? by L. R. Glavis, p. 15-17, 27.
- Conservation, Nov. 1909.--How our forests are wasted, and why the need of government control, by S. F. Kelsey, p. 657-70; The function of the forest, by N. Kaumanns, p. 671-8; Reservoirs on Chippewa River, by T. C. Pound, p. 679-82; People's right to running water, by H. Williams, p. 683-5.
- Country Life in America, Oct., 1909.--Half dozen best trees for the country home, by E. P. Powell, p. 688.
- Farm & Fireside, Nov. 10, 1909.--An organization of woodlot owners, by Raphael Zon, p. 5.
- Harper's Weekly, Oct. 23, 1909.--Uplifting the lumber-jack, by C. C. Thurber, p. 12-13.
- Muhlenbergia, July, 1909.--The alpine spruce, by A. A. Heller, p. 105-8.
- Putnam's Magazine, Nov., 1909.--The forest's guardian, by D. A. Willey, p. 161-71.
- Review of Reviews, Nov., 1909.--The bracho for tanning extract and railway sleepers, p. 619-20.
- Scientific American, Oct. 30, 1909.--How Germany makes forestry pay, by F. B. Warren, p. 316-17.
- Scientific American Supplement, Oct. 23, 1909.--Forests of the Philippines, p. 265.
- Torrey, Nov., 1909.--Car-window notes on the vegetation of the Delaware peninsula and Southern Virginia, by R. M. Harper, p. 217-26.
- Van Norden's Magazine, Dec., 1909.--Protecting sheep against wild animals; practical forestry in Prussia; planting new trees in the forests, p. 304-7.
- World today, Nov., 1909.--Conservation, our nation's new patriotism, 1174-6.

Trade Journals and Consular Reports

- American lumberman, Oct. 30, 1909.--Does a forest cover prevent or mitigate floods? p. 32; Multiplicity of articles produced from wood, p. 36; Taxation of forest land as affecting conservation, by F. W. Mulkey, p. 37; Interesting facts about timber cruisers and timber cruising, p. 38; The oldtime wooden vessels of Maine, p. 38; Satisfactory method of quarter sawing, p. 67.

divine, p. 24-8.

by E. von Gernert, v. 21: Forestry in Louisiana, by

- American lumberman, Nov. 6, 1909.--Southern conservation congress, p. 33-8.
- American lumberman, Nov. 13, 1909.--Practical and economic points in building logging railroads, p. 28-9; Timberland taxation in New Hampshire and in general, by T. P. Ivy, p. 33; Forest conservation and the merchandizing of lumber, by J. B. White, p. 42-3; Timber resources of Argentine Republic, p. 47.
- Canada lumberman, Oct. 15, 1909.--Government forests of Java, p. 31.
- Canada lumberman, Nov. 1, 1909.--A practical shed for end-drying, p. 24-5.
- Carriage monthly, Nov., 1909.--Report of the Committee on national conservation of timber, of the Carriage builder's national association, p. 34-6.
- Craftsman, Nov., 1909.--Destruction of American forests; our loss and our compensation, p. 150-4; Tree surgery, p. 177-83.
- Engineering news, Oct. 14, 1909.--A comparison of the various processes of preserving timber, by G. B. Shipley, p. 396-400.
- Florida's financial and industrial record, Nov. 20, 1909.--Turpentine industry of the Landes district of France, p. 9.
- Hardwood record, Oct. 25, 1909.--Black spruce, p. 19-20; Log sorting and handling cableway, p. 24-5; Tree curiosities, p. 26-7.
- Journal of electricity, power, and gas, Nov. 6, 1909.--Electric drive in sawmills, by C. Remschel, p. 419-21.
- Lumber trade journal, Nov. 1, 1909.--Address before Southern conservation congress, New Orleans, 1903, by H. E. Hardtner, p. 37-9; The preservation of timber waste, by J. B. White, p. 39-40; Practical problems in state forestry, by H. von Schrenk, p. 41; Forestry in Louisiana, by F. J. Grace, p. 41-2.
- Lumber trade journal, Nov. 15, 1909.--The taxation of timber; some expressions on the subject by well-known timber owners, p. 22.
- Lumber world, Nov. 15, 1909.--A conspicuous landmark; famous Woodbury elm tree near Union City, Ind., p. 24.
- Mining world, Nov. 20, 1909.--Natural taxation of timber and mining land, by R. B. Brinsmade, p. 1023-4.
- Mississippi valley lumberman, Oct. 15, 1909.--Automatic steam jets for the protection of lumber dry kilns, p. 26.
- Pacific coast wood and iron, Nov. 15, 1909.--Typical Philippine forests, p. 7; The timber sale policy of the Forest service, by W. T. Cox, p. 13.

... 1933-1934 ...
... 1935-1936 ...
... 1937-1938 ...
... 1939-1940 ...
... 1941-1942 ...
... 1943-1944 ...
... 1945-1946 ...
... 1947-1948 ...
... 1949-1950 ...
... 1951-1952 ...
... 1953-1954 ...
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... 2013-2014 ...
... 2015-2016 ...
... 2017-2018 ...
... 2019-2020 ...
... 2021-2022 ...
... 2023-2024 ...
... 2025-2026 ...
... 2027-2028 ...
... 2029-2030 ...

Pacific lumber trade journal, Nov., 1909.--Startling evidence of forest waste in even lengths, p. 18; Why forest protection associations must organize, by E. T. Allen, p. 26-7; Problems of forestry, by J. H. Hatton, p. 29-31.

Paper mill, Oct. 16, 1909.--Italian forests; work that is being done to protect them; planting on government land; forest fires, p. 19; Destructive distillation of wood, by R. W. Sindall, p. 22-36.

Paper trade journal, Nov. 11, 1909.--The forestry question in Canada, by B. E. Fernow, p. 48.

St. Louis lumberman, Nov. 1, 1909.--Prussia's well-managed forests, p. 27; Laying St. Louis streets with yellow pine blocks, p. 58; The longevity of wooden ships, p. 59; Missouri's surplus forest products, p. 63.

Southern lumberman, Nov. 6, 1909.--European way of preserving poles, p. 17-18; Address before Southern conservation congress, by Gifford Pinchot, p. 26.

Southern lumberman, Nov. 13, 1909.--Forest crops of the Philippines, by G. E. Nesom, p. 22-4.

Timber trade journal, Oct. 23, 1909.--Forest administration in southern Nigeria, p. 622; The timber trade of China, p. 631.

Timber trade journal, Oct. 30, 1909.--The saw mill; the proper handling of planing cutters, paper knives, etc., by D. Dominicus, p. 640-1.

Timber trade journal, Nov. 6, 1909.--Canadian pine dirigible airship frames, p. 677.

Timber trade journal, Nov. 13, 1909.--Various kinds of boxes in use in America, by C. C., p. 717.

United States daily consular reports, Nov. 2, 1909.--British Columbia pulp leases, by G. N. West, p. 1-2.

United States daily consular reports, Nov. 3, 1909.--Rubber situation in Brazil, by G. E. Anderson, p. 1-3; Alcohol from sawdust; French wood distillation can be used for any purpose, by F. H. Mason, p. 6.

United States daily consular reports, Nov. 13, 1909.--Irrigation in Mexico, by C. M. Freeman, p. 8-9.

United States daily consular reports, Nov. 23, 1909.--Pine tar trade, Scotland and Germany, by J. N. McCurn and R. P. Skinner, p. 12-13.

United States daily consular report, Nov. 24, 1909.--Cabinet wood in France, by J. E. Dunning, p. 16.

Wood craft, Nov., 1909.--The manufacture of picture molding, p. 31-3; Wood tanks as a by-product, by W. D. Graves, p. 44-9; Artificial wood made from peat, by F. Schuene-mann, p. 49-50.

Wood-worker, Nov., 1909.--How piano woods are handled, p. 35-6.

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500-000

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, Oct., 1909.--Die Nachhaltigkeit der Forstwirtschaft (The continuance of forestry); by J. Vogl, p. 333-42.
- Allgemeine Forst-und Jagd-Zeitung, Nov., 1909.--Zur Frage der Hiebssatzbestimmung (On the question of determining the annual yield), by F. Gascard, p. 374-9; Ueber Durchreiserungen dichter Buchen-Verjungen und Buchen-Saaten (On the thinning of dense young growth of beech), by Tiemann, p. 368-74.
- Canadian forestry journal, Oct. 1909.--Tree planting on the prairies, p. 109-11; The Dominion forest reserves, by A. H. D. Ross, p. 111-14; The protection of game, by J. P. Turner, p. 114-16; The outlook for the world's timber supply, by W. Somerville, p. 123-6; The tree planting problem in western Saskatchewan and Southern Alberta, by A. Mitchell, p. 126-30; The forest trees of Canada, p. 130-6; Reserves for protection of game, by T. N. Willing, p. 137-9.
- Centralblatt für das gesammte Forstwesen, Oct. 1909.--Untersuchungen über die Aufastung der Waldbäume (Investigations concerning the pruning of forest trees), by E. Zederbauer, p. 413-27.
- Forestry quarterly, Sept., 1909.--The white pine blister rust, by C. R. Pettis, p. 231-7; Restricting the free use of timber on our national forests, by L. L. White, p. 238-42; The Coconino ranger school, by T. S. Woolsey, p. 243-4; Measurements of the effects of forest cover upon the conservation of snow waters, by W. R. Mattoon, p. 245-8; Cost of evergreen seedlings, by D. Hill, p. 249-54; Cost of mountain logging in West Virginia, by H. H. Farquhar, p. 255-69; Marking western yellow pine, by T. S. Woolsey, p. 270-6; Brief notes on Mexican forests, by R. Rothkugel, p. 277-9; Eucalypts cultivated in the U. S., by C. Westergard, p. 280-303.
- Indian forester, Oct., 1909.--The mixed teak forests of the Sangor Division and their treatment, by C. M. McCrie, p. 553-60; Fiber-producing plants in India, p. 561-9; Memorandum regarding prescriptions for improvement felling in teak working plans in Burma, by R. S. Troup, p. 584-93; National afforestation, by H. Maxwell, p. 594-604.
- Minnesota forester, Nov., 1909.--First aid in forest fires, p. 123-6; Experiences in Montana forests, by J. V. Hoffman, p. 126-9.
- Revue des Eaux et Forêts, Oct. 15, 1909.--Dégâts torrentiels en Savoie, 1901 - 1908 (Flood devastation in Savoie, 1901-1908), by P. Mougin, p. 609-16; L'extraction de l'essence de térébenthine des bois résineux par chauffage électrique (Distillation of turpentine from wood by electricity), p. 627-9; Semences de pin sylvestre (Seeds of *Pinus sylvestris*), p. 633-4.

Schweizerische Zeitschrift für Forstwesen, Oct., 1909.--
Monographische Skizze über die Waldungen im Thurgau
(Monograph on the forests of Thurgau), by P. Etter,
p. 261-4.

Zeitschrift für Forst-und Jagdwesen, Oct., 1909.--Versuche
der preussischen Staatsforstverwaltung mit der Ansied-
lung von Walдарbeitern (Experiments of the Prussian
forest service with the colonization of forest labor-
ers), by Röhrig, p. 629-60; Dichte oder weitständ-
ige Kulturen (Dense planting or wide spacing of seed-
lings), by O. Frömbling, p. 660-72.

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CURRENT LITERATURE FOR DECEMBER

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FORESTRY - GENERAL

- Forestry in New Zealand; W. C. Kensington. 1909.
118 p. Illus. Dept. of lands, Wellington,
New Zealand.
- The forests of the United States; their use; O. W. Price
and others. 1909. 25 p. Circular 171 of the
Forest service.
- Die forstlichen Verhältnisse Badens; K. Philipp. 1909.
39 p. Herdersche Verlagshandlung, Freiburg im
Breisgau.

FOREST BOTANY

- Illustrations of conifers; H. Clinton-Baker. Vol. 1;
1909. 75 p. Illus. Privately printed,
Hertford, England.

SILVICS

- Das Versagen der Weissstannenverjüngung im mittleren Murg-
tale; H. Stoll. 1909. 64 p. Illus. Ungeheuer
& Ulmer, Ludwigsburg.

FOREST MANAGEMENT

- Methods of increasing forest productivity; E. E. Carter.
1909. 16 p. Circular 172 of the Forest service.

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WASHINGTON, D. C.

January 1, 1910

TO THE SECRETARY OF AGRICULTURE, WASHINGTON, D. C.

1910

WASHINGTON

TO THE SECRETARY OF AGRICULTURE, WASHINGTON, D. C.

Respectfully submitted,
J. H. ...

Very truly yours,
J. H. ...

Enclosed for the Secretary of Agriculture are ...

Very truly yours,

Respectfully submitted,
J. H. ...

Very truly yours,
J. H. ...

Respectfully submitted,
J. H. ...

Very truly yours,

Respectfully submitted,
J. H. ...

Organization and Administration

United States - Forest service. December field program, 1909. 32 p.

National and State Forests

Forest reservation in Burma in the interests of an endangered water-supply; A. Rodger. 1909. 24 p. Illus. Forest pamphlet 6, Forest dept., Calcutta, India.

UTILIZATION

The cellulose industries in the United States; A. D. Little. 1904. 12 p. Deutscher Verlag, Berlin.

Naeringslivet i Drammen og dens opland og specielt traefor-aedlingsindustriens; E. Sundt. 1909. 34 p. Illus. Centraltrykkeriet, Kristiania.

Wood Preservation

Wood preservation in the United States; W. F. Sherfeseec. 1909. 31 p. Illus. Bulletin 78 of the Forest service.

STATISTICS

The collection of statistical data relating to the principal Indian species; A. M. F. Caccia. 1909. 77 p. Forest pamphlet 8, Forest dept., Calcutta, India.

Foreign trade of the United States in forest products, 1851-1908. 1909. 32 p. Bulletin 51, Bureau of statistics, U. S. Dept. of agriculture.

The forest resources of Alaska, R. S. Kellogg. 1909. 45 p. Unpublished report.

Veneers, 1903. 1909. 13 p. Forest products no. 5, Bureau of the census.

ENGINEERING

Die Wald-Eisenbahn; Verband der Rheinisch-Westfälischen Tier-schutz-Vereine. 1891. 20 p. Illus. J. F. Ziegler, Remscheid.

PROCEEDINGS OF ASSOCIATIONS

Society for the protection of New Hampshire forests, 7th annual report, 1909. 78 p. Illus. A. Hollis, Secretary, Concord, New Hampshire.

FOREST ENEMIES

Insects

Some insects injurious to forests; insect depredations in North American forests, and practical methods of prevention and control; A. D. Hopkins. 1909. 45 p. Bulletin 58, pt. 5, Bureau of entomology, U. S. Dept. of agriculture.

CONSERVATION OF NATURAL RESOURCES

The national and international conservation of water power; E. R. Taylor. 1909. 7 p. Illus. Gresham Press, Woking and London.

IRRIGATION

Irrigation investigations; factors influencing evaporation and transpiration; J. A. Widtsoe. 1909. 62 p. Illus. Bulletin 105, Agricultural experiment station, Logan, Utah.

EXHIBITIONS

Descriptive catalogue of the collection of Japanese woods and photographs of forests at the Alaska-Yukon-Pacific exposition. 1909. 50 p. Bureau of forestry, Dept. of agriculture and commerce, Tokyo, Japan.

LAW

Le revenu imposable des forêts. 1908. 8 p. Société forestière de Franche-Comté et Belfort, Besançon.

PERIODICALS

General

American magazine, Jan., 1910.--The cabin; personal experiences in the Sierras, by S. E. White, p. 305-14.

Annual report of the Carriage builders national association of the United States, 1909.--Can we save the forest waste, by W. L. Hall, p. 12-15.

Bulletin of the International union of American republics, Dec., 1909.--Spanish cedar or Cedrela, p. 1051-61.

Conservation, Dec. 1909.--Forestry in Japan, by J. B. Moore, p. 727-40; The south's concern in the Appalachian project and how to make its influence felt, by J. H. Finney, p. 741-51; Stories told in ranger camps, by C. H. Shinn, p. 763-6.

Country life in America, Dec., 1909.--A man and his job; a story of applied forestry, by A. W. Dimock, p. 157-60.

Garden magazine, Jan., 1910.--A famous avenue of cedars, by W. Miller, p. 269.

Gardeners' chronicle, Oct. 30-Nov. 6, 1909.--American hawthorns; some new arborescent species, by J. Dunbar, p. 289-308.

Gardeners' chronicle, Dec. 4, 1909.--Two uncommon walnuts, by W. D., p. 382.

Grizzly bear, Dec. 1909.--The taxation of timber, by C. E. Jarvis, p. 1-2.

McClure's magazine, Dec. 1909.--Trapping wild horses in Nevada, by R. Steele, p. 198-209.

Nebraska farmer, Dec. 8, 1909.--The sand hills and the trees that will grow there, by C. A. Scott, p. 1060-1.

Outlook, Dec. 4, 1909.--The A. B. C. of conservation, by G. Pinchot, p. 770-2.

Philippine agricultural review, Aug. 1909.--Kapok, Eriodendron anfractuosum, by S. H. Sherard, p. 440-3.

Philippine agricultural review, Sept., 1909.--The culture of ylang-ylang, p. 496-9; Conservation of the natural resources of the Philippine Islands, p. 508-12.

Rod and gun in Canada, Dec., 1909.--The conservation of our natural resources, by T. Ritchie, p. 623-4.

Trade Journals and Consular Reports

American lumberman, Nov. 27, 1909.--James Elliott Deebaugh, p. 29-37.

American lumberman, Dec. 18, 1909.--Michigan maple, p. 77.

Barrel and box, Dec. 1909.--The work of the Office of wood utilization, by R. E. Simmons, p. 40D; Comparison of log prices for ten years, by D. E. Kline, p. 53; Southern forests; plea of Appalachian national forest association, by J. H. Finney, p. 54.

Canada lumberman, Sept. 15, 1909.--A good method of piling hardwood, p. 24-5.

Canada lumberman, Nov. 15, 1909.--The piping plant for a lumber dry kiln, p. 22-3.

Engineering record, Nov. 20, 1909.--Creosoted wood block pavement at Minneapolis, p. 577.

Hardwood record, Nov. 25, 1909.--Grading and buying of hardwood lumber, by L. Doster, p. 30-1; Important Philippine woods, p. 33-5.

Hardwood record, Dec. 10, 1909.--Sanitary furniture, p. 23-4; Are there fortunes in eucalyptus, p. 25-7.

Lumber review, Dec. 1, 1909.--Alaska's timber resources, p. 18.

Pacific Coast wood and iron, Dec. 1, 1909.--Important Philippine woods, by A. V. G., p. 16-17.

Paper trade journal, Nov. 25, 1909.--Afforestation in England, by T. P. Smith, p. 24-26-28; Bagasse or megass in paper making, p. 30-32.

Paper trade journal, Dec. 2, 1909.--Diseases in pulp wood and pulp, p. 42-46-48-54.

St. Louis lumberman, Dec. 15, 1909.--The cultivation of trees, by I. Motes, p. 69.

Southern industrial and lumber review, Nov., 1909.--Philadelphia paves streets with yellow pine, p. 24.

Southern industrial and lumber review, Dec. 1909.--Reforestation of cypress impracticable, p. 21; British Guiana forests, p. 35.

Southern lumberman, Dec. 11, 1909.--Perpetuating timber resources of the south, by R. S. Kellogg, p. 35-6.

Timberman, Nov., 1909.--Growing eucalyptus for timber, by G. B. Lull, p. 25; Odd lengths movement steadily gaining momentum with lumbermen, by F. C. Knapp, p. 34-5; Detailed description of a new method of quarter sawing lumber, by A. S. Frosdick, p. 52-3.

U. S. daily consular report, Nov. 29, 1909.--Electric distillation of turpentine, by G. N. West, p. 5; Paper making in British Columbia, by G. N. West, p. 6.

U. S. daily consular report, Dec. 1, 1909.--Paper from waste, by F. D. Hale, p. 11.

U. S. daily consular report, Dec. 16, 1909.--Chilean railway ties, by A. A. Winslow, p. 6; Piassava industry in Liberia, by G. W. Ellis, p. 8.

U. S. daily consular report, Dec. 22, 1909.--Paper-making material, by J. L. Brode, p. 7.

Wood craft, Dec. 1909.--Some woodworking features of a big toy factory, p. 61-7.

Woodworkers' review, Nov., 1909.--Aluminum gives way to wood for air ships, by O. Herwig, p. 474-6; How to figure the strength of timbers, by T. B. Kidner, p. 476-8.

Forest Journals

Forest, fish and game, Nov., 1909.--The summer camp of the forest school, by W. M. Kirby, p. 25-7; The forest policy of the state of Washington, by H. Peterson, p. 27-30; The Ballinger - Pinchot controversy, by W. H. Griffin, p. 31-4; The pines of the Piedmont belt, by J. R. Wilson, p. 34-8.

- Forest leaves, Dec., 1909.--Notes on annual tree rings, by J. W. Harshberger, p. 84-5; Length of time required to grow trees, p. 85-7; Forestry and engineering, by J. Birkinbine, p. 88-94.
- Forestry quarterly, Dec., 1909.--Why American foresters are poorly trained, by a professor, p. 373-6; Average wood production in the United States, p. 377-84; An experiment in logging longleaf pine, by H. H. Chapman, p. 385-95; Marking in practice, by A. B. Recknagel, p. 396-9; Japanese charcoal kiln, by N. B. Ekbo, p. 400-1; Methods of determining the time of the year at which timber was cut, by R. Zon, p. 402-9; Argentina and its chaco, by H. Kluge, p. 410-14.
- Indian forest records, June, 1909.--A chemical investigation of the constituents of Burmese varnish, by P. Sing, p. 287-308; The selection system in Indian forests, by A. M. F. Caccia, p. 311-417.
- Indian forest records, Aug., 1909.--On some insect pests of the Himalayan oaks, by E. P. Stebbing, p. 1-28.
- Indian forester, Nov., 1909.--Standardization of tree measurements, p. 607-10; The effect of cattle grazing in Bhandara Division, by J. W. Best, p. 610-17; Utilization of waste wood, p. 618-24; Sir Dietrich Brandis, by W. R. Fisher, p. 641-4; Irritant woods, p. 662-3.
- Minnesota forester, Dec., 1909.--In the Little and Big Mts. of Montana, by D. W. Martin, p. 135-40; For the education of public opinion, p. 140-4; The white willow, p. 142-3.
- Revue des eaux et forêts, Nov. 1-15, 1909.--L'évaluation du revenu forestier, by A. Arnould, p. 641-9; 673-82.
- Zeitschrift für Forst- und Jagdwesen, Nov., 1909.--Weiterer Beitrag zur Forstästhetik; die Schönheit der Tiere des Waldes, by H. von Salisch, p. 701-19; Das Forstwesen in den deutschen Schutzgebieten, by G. Badermann, p. 719-46; Weiteres über die Nadelholzkulturen in Schleswig-Holstein, by E. Emeis, p. 746-50; Mitteilungen aus der Waldsamen-Prüfungsanstalt Eberswalde, by A. Schwappach, p. 753-62.

Forest leaves, 1902, 1903. Notes on annual tree rings, by
J. H. Kunkin, p. 24-25. Notes on the growth of
the forest, p. 26-27. Notes on the growth of the forest, p. 28-29.

Forest leaves, 1902, 1903. Notes on annual tree rings, by
J. H. Kunkin, p. 24-25. Notes on the growth of the forest, p. 26-27.

Forest leaves, 1902, 1903. Notes on annual tree rings, by
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J. H. Kunkin, p. 24-25. Notes on the growth of the forest, p. 26-27.

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ENCYCLOPEDIAS, DICTIONARIES & CALENDARS

Forst-und Jagd-Kalender, vol. 38, pt. 2, 1910. 388 p.
J. Springer, Berlin.

FOREST BOTANY

Cactaceae of northeastern and central Mexico; W. E. Safford. 1909. 39 p. Illus. From Smithsonian report for 1908, Washington, D. C.

Trees of Lincoln and vicinity; C. R. Tillotson. 1907. 24 p. From report of State board of agriculture, Lincoln, Nebr.

Forest Geography

Evidence of Mr. R. E. Young, Supt. of railway lands, before the select standing committee on forests, waterways and water-powers, 1909. 18 p. Govt. printer, Ottawa, Canada.

Report of the Supt. of forestry on a trip down the Mackenzie and up the Yukon rivers in the year 1906; D. Stewart. 1907. 26 P. Illus. Dept. of the interior, Ottawa, Canada.

SILVICS

Die Douglasfichte, ihre Küstenform und Gebirgsform; E. H. Frothingham. 1909. 28 p. Illus. From Mitteilungen der Deutschen dendrologischen Gesellschaft, Bonn-Poppelsdorf.

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CURRENT LITERATURE FOR JANUARY

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DICTIONARIES & GAZETTES

Forest and Game Statistics, vol. 25, pt. 2, 1909.
J. Springer, Berlin.

FOREST BOTANY

Conspicuous of vegetation and animal life, W. E. Soper.
Ford, 1909. 28 p. illus. From Smithsonian Institution.
Part for 1908, Washington, D. C.
Trees of Lincoln and vicinity, G. R. Thickett. 1908.
24 p. From report of State board of agriculture,
Lincoln, Neb.

FOREST GEOGRAPHY

Notes of Mr. E. E. Young, Capt. of railway, forest,
fore the subject standing committee on forests, water,
ways and water-powers, 1909. 18 p. Govt. printer,
Ottawa, Canada.
Report of the Capt. of forestry on a trip down the Mackinac
and up the Upper river in the year 1909. 12
p. 1909. 28 p. illus. 1909. 28 p. illus. 1909. 28 p. illus.
Ottawa, Canada.

Dr. J. H. Sargent, The Librarian and Librarian, E. E. Soper.
1909. 28 p. illus. 1909. 28 p. illus. 1909. 28 p. illus.

Reproduction of western yellow pine in the southwest;
G. A. Pearson. 1910. 16 p. Circular 174 of the
Forest service.

Stream flow

Surface conditions and stream flow; W. L. Hall and H.
Maxwell. 1910. 16 p. Circular 176 of the Forest
service.

EDUCATIONAL

Courses in forestry, University of Montana. 1909. 7 p.
Illus. Missoula, Mont.

FOREST MANAGEMENT

Farm forestry; A. Akerman. 1909. 22 p. Georgia forest
association, Athens, Ga.

Lumbering

Lumbering in the northwest, and the logger at his work.
1905. 28 p. Illus. G. C. Angle, Shelton, Wash.

The only genuine original folding double man-power sawing
machinery; Folding sawing machine co. 48 p. Illus.
158-64 E. Harrison St., Chicago, Ill.

Paper on forest conservation in yellow pine; J. B. White.
1909. 18 p. Yellow pine manufacturers' association,
St. Louis, Mo.

Thinning

How to make improvement thinnings in Massachusetts wood-
lands; H. D. Cook. 1910. 21 p. Illus. State for-
ester's office, Boston, Mass.

Organization & Administration

India - Ajmer-Merwara - Forest dept. Annual report on
forest administration for 1907-08. 1908. 44 p.
Ajmer, India.

India - Bengal - Forest dept. Annual progress report on
forest administration for the year 1907-1908. 1908.
50 p. Calcutta, India.

- New York - Forest, fish & game commission. Annual report of the Dept. of forestry, 1908. 82 p. Illus. Albany, N. Y.
- United States - Forest service. January field program, 1910. 33 p.
- United States - Forest service. Report of the forester for 1909. 45 p.

National & State Forests

- The Appalachian forest reserves; J. E. Denebaugh. 1908. 13 p. Association of commerce, Chicago, Ill.
- The forest reserves; speech in the House of representatives, Friday, January 7, 1910; J. A. Martin. 1910. 16 p. Washington, D. C.

UTILIZATION

- A study of the Massachusetts wood-using industries; H. Maxwell. 1910. 38 p. State forester's office, Boston, Mass.

Wood preservation

- Timber preservation; H. von Schrenk. 31 p. Illus. St. Louis, Mo.

WOOD TECHNOLOGY

- Untersuchungen über Raungewicht und Druckfestigkeit des Holzes wichtiger Waldbäume; A. Schwappach. Vol. 1-2, 1897-8. J. Springer, Berlin.

PROCEEDINGS OF ASSOCIATIONS

- Congrès des forestiers Suisses sur les rives du Léman en 1906; P. Bertholet. 1906. 24 p. Lausanne, Switzerland.
- Forest conference under the auspices of the Society for the protection of New Hampshire forests, Bretton Woods, N. H., August 3 to 5, 1909. 37 p. Concord, N. H.
- Royal Scottish arboricultural society. Transactions. Vol. 23, pt. 1, 1910. 120 p. Illus. Edinburgh, Scotland.

FOREST ENEMIES

Insects

Catalogue of recently described coccidae: 2; J. G. Sanders. 1909. 28 p. Technical series no. 16, pt. 3; Bureau of entomology.

The pine leaf chermes and the green-winged chermes; E. M. Patch. 1909. 4 p. Illus. Bulletin 171, Agricultural experiment station, Orono, Me.

Diseases of trees

Our wounded friends, the trees. 1909. 20 p. Illus. Davey tree expert co., Kent, O.

DEFORESTATION

The Grand river, Ontario peninsula; effect of deforestation and swamp drainage; W. H. Breithaupt. 1905. 6 p. Illus. Canadian society of civil engineers, Montreal, Canada.

CONSERVATION OF NATURAL RESOURCES

Oregon conservation commission. Report, 1908. 123 p. Illus. Portland, Oreg.

IRRIGATION

Some aspects of irrigation development in Colorado; G. G. Anderson. 1909. 42 p. Colorado scientific society, Denver, Colo.

PERIODICALS

General

American magazine, Feb. 1910.--Gifford Pinchot, by S. E. White, p. 457.

Annals of the American Academy, Nov. 1909.-- Trade revival in the lumber industry, by J. E. Williams, p. 512-19; Yellow pine situation, by C. D. Johnson, p. 532-8.

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- Botanical gazette, Dec. 1909.-- Sap pressure in the birch stem, by H. E. Merwin and H. Lyon, p. 442-58; Concavity of leaves and illumination, by S. B. Parish, p. 459-63.
- Bulletin of the Torrey botanical club, Dec. 1909.-- Plant formations of the Nockamixon Rocks, Pa., by J. W. Harshberger, p. 651-73.
- Cassier's magazine, Sept. 1909.-- Water-power from streams of moderate fall, by S. Stewart, p. 470-7.
- Country life in America, Dec. 1909.-- Witches'-brooms, by E. A. Spears, p. 226.
- Craftsman, Nov. 1909.-- Tree surgery, p. 177-83.
- Current literature, Feb. 1910.--The Pinchot-Ballinger controversy, p. 119-27.
- Gardeners' chronicle, Nov. 20, 1909.-- Street trees, p. 341-2.
- Independent, Nov. 1909.--A valuable public servant, by W. French, p. 1119-21.
- Independent, Jan. 27, 1910.--Henry S. Graves, Chief forester, by James W. Toumey, p. 176-8.
- Journal of botany, Jan. 1910.--British oaks, by C. E. Moss, p. 1-8.
- Meehan's garden bulletin, Nov. 1909.--The umbrella pine, by E. Matthews, p. 5.
- National grange, Jan. 1910.--The woodlot, a neglected resource, by G. Pinchot, p. 10-12.
- Pacific monthly, Jan. 1910.--The water problems of the northwest, by Randall R. Howard, p. 41-8.
- Philippine journal of science, Oct. 1909.--Indo-Malayan woods, by F. W. Foxworthy, p. 409-592.
- Philippine journal of science, Nov. 1909.--Notes on Philippine palms, by O. Beccari, p. 601-37.
- Review of reviews, Jan. 1910.--Water-power sites on the public domain, by R. A. Ballinger, p. 47-8; Water powers of the south, by H. A. Pressey, p. 68-76; New York's conservation of water resources, p. 77.
- St. Nicholas, Dec. 1909.--Japanese dwarf trees, by H. H. Berger, p. 168-9.
- Saturday evening post, Jan. 1, 1910.--First aid to the forests, p. 19.
- Scientific American, Dec. 4, 1909.--Destruction of wood borers, by R. B. Hooper, p. 411.
- Successful farming, Jan. 1910.--The power of the farmer to conserve the natural resources of the country, by G. Pinchot, p. 10-11.
- World to-day, Nov. 1909.--Conservation, our nation's new patriotism, p. 1174-6.

Trade Journals and Consular Reports

- American lumberman, Dec. 25, 1909.--Odd lengths; economy a prime factor in conservation, by H. S. Adams, p. 36.
- American lumberman, Jan. 15, 1910.--Interesting description of the forests of Tahiti, p. 41.
- American lumberman, Jan. 22, 1910.--Instruction at the Yale forest school, p. 40-1; Odd and short lengths; by H. S. Adams, p. 58-9.
- Canada lumberman, Jan. 15, 1910.--A novel improvement in logging machinery, p. 28-9.
- Engineering news, Jan. 13, 1910.--Concrete shell casings for protecting wooden piles against the teredo, p. 30-1.
- Hardwood record, Dec. 25, 1909.--A visit to the mahogany forests of Mexico; p. 37-8; Utilization of hardwoods; dining tables, p. 38; Cutting mahogany in British Honduras, p. 39-40.
- Hardwood record, Jan. 10, 1910.--Utilization of hardwoods, p. 24-5; The story of yellow poplar, p. 26-7.
- Hardwood record, Jan. 25, 1910.--Post oak, p. 23-4.
- Mississippi valley lumberman, Jan. 21, 1910.--Evolution of Douglas fir finish, by A. B. Wastell, p. 34-5; Forests for the future, by T. B. Walker, p. 58-60.
- Southern lumberman, Dec. 25, 1909.--Odd and short lengths, by H. S. Adams, p. 41-2; Our forest problems, by R. S. Kellogg, p. 43-4; Forest fires and their prevention, by J. S. Whipple, p. 46-8; Lumbering in Mexico, by G. H. Copeland, p. 48; Cut-over pine lands in Mississippi, by E. M. Brown, p. 50-80; Wood block paving; its practical use as shown by interviews with leading city engineers and officials, p. 59-60.
- Southern lumberman, Jan. 8, 1910.--Cypress picket over 87 years old, by T. M. Andrews, p. 35-38.
- Southern lumberman, Jan. 15, 1910.--Railroad tie specifications, p. 26.
- Southern lumberman, Jan. 22, 1910.--Proper grouping of timbers for treating, by F. J. Angier, p. 31-2; What effect does the time of cutting timber have on the rate of seasoning and treatment of same, by J. C. Williams, p. 32; Inflammability of treated timber, by H. M. Rollins, p. 32; Prominent retailer's view of odd lengths, by J. W. Paddock, p. 39.
- Timber trade journal, Dec. 18, 1909.--Sir John Fleming on afforestation, by J. Fleming, p. 940-1.
- Timber trade journal, Jan. 15, 1910.--Forest lands in Russia, p. 74.
- Timberman, Dec. 1909.--Reforestation of cut-over lands and the problem of taxation, by C. A. Smith, p. 30; Economy in grades as applied to logging railroad construction, by W. W. Peed, p. 52.

varia. by G. W. 1877, p. 11; Wilson 1880; Göt-

- Timberman, Jan. 1910.--Depredations of insects are very injurious to forests, by H. D. Langille, p. 20-1; Creosoted wood paving blocks, by A. Rinker, p. 23; National irrigation projects and their relation to lumber industry, p. 25-32; Forest fires in Oregon, Washington and Idaho during the year 1909, p. 32E-G; Douglas fir finish for the International bureau of American republics, by A. B. Wastell, p. 32H-J; Working plan necessary for successful logging operations, by W. W. Reed, p. 50-1.
- U. S. daily consular report, Dec. 31, 1909.--Cassia and cassia oil, by L. Bergholz, p. 8-9; The last yew forest; plan to preserve primeval woodland in Bavaria, by G. N. Ifft, p. 11; African timber; Germany investigating the resources of colonies, by T. H. Norton, p. 12-13.
- U. S. daily consular report, Jan. 5, 1910.--Foreign lumber trade; France and Italy, by P. H. Cram and others, p. 10-12.
- U. S. daily consular report, Jan. 6, 1910.--Hardwoods in Ecuador, by G. D. Hedian, p. 13.
- U. S. daily consular report, Jan. 7, 1910.--Foreign lumber trade; Colombia, British Guiana, Turkey and South Africa, by J. White and others, p. 6-7; Teak forests of Siam, by C. C. Hansen, p. 8-9; Bamboo paper; manufacture of two grades from bamboo pulp, by S. C. Reat, p. 11.
- U. S. daily consular report, Jan. 11, 1910.--Foreign lumber trade; Austria-Hungary, Portugal & Uruguay, by G. M. Hotschick and others, p. 8-10.
- U. S. daily consular report, Jan. 14, 1910.--German turpentine substitutes, by R. P. Skinner, p. 3; Brazilian timber; rare woods found in the forests of Bahia, by P. P. Demers, p. 13-14; Railway ties; Brazilian companies growing their own tie material, by G. E. Anderson, p. 15.
- U. S. daily consular report, Jan. 19, 1910.--Timber in Newfoundland, by J. S. Benedict, p. 14; Steel ties in Germany, by R. P. Skinner, p. 15-16.
- U. S. daily consular report, Jan. 21, 1910.--Foreign lumber trade; Germany, by R. P. Skinner, p. 8-13.
- U. S. daily consular report, Jan. 22, 1910.--Tree planting in Formosa, by S. C. Reat, p. 8.
- U. S. daily consular report, Jan. 24, 1910.--Foreign lumber trade; United Kingdom, by G. B. Stephenson, p. 10-13.
- Wooden and willow-ware trade review, Jan. 13, 1910.--Experiment in willow growing, p. 65-6.

- American Forestry, Jan. 1910.--Perpetuating the timber resources of the south, by R. S. Kellogg, p. 3-12; The forests of Louisiana, by F. J. Grace, p. 13-19; The crisis in the southern forests, by H. E. Hardtner, p. 21-31; The commercial possibilities of shallow streams, by J. L. Matthews, p. 32-40.
- Bulletin de la Société centrale forestière de Belgique, Dec. 1909.--Excursion forestière en Hollande, by G. Crahay, p. 723-31; Observations en matière forestière, p. 731-41; Les incendies provoqués par le chemin de fer, p. 745-56.
- Centralblatt für das gesammte Forstwesen, Nov. 1909.--Die naturdenkmalpflege, by F. Knauer, p. 461-71; Unter welchen Vorschubbedingungen erreichen sägegatter ihre höchste Schnittleistung, by F. Zelisko, p. 471-83.
- Forest, fish & game, Dec. 1, 1909.--The game laws of Georgia, by W. M. Kirby, p. 41-3.
- Forstwissenschaftliches Centralblatt, Nov. 1909.--Zur Theorie der Stammverwerfungsdynamik bei Wirbelstürmen im Walde und ihrer Deutung, by Vogtherr, p. 558-68.
- Hawaiian forester & agriculturist, Nov. 1909.--Wood finishing, by W. T. Pope, p. 423-31.
- Indian forester, Dec. 1909.--Reproduction by coppice shoots, p. 667-70; The prevalence and utility of *Xylia dolabriformis* in the Central Provinces, by J. W. Best, p. 677-9; The school of forestry at Oxford, p. 679-82; The rubber industry; a recent discovery, p. 713-14; Natural and artificial camphor, p. 715-17.
- Minnesota forester, Jan. 1910.--The Superior national forest, by S. Leavitt, p. 149-56.
- Revue des Eaux et Forêts, Dec. 1, 1909.--Influence du couvert de la forêt sur la température du sol, by G. Huffer, p. 705-10; Figuier de Barbarie, by A. Mathey, p. 716-21; Le figuier *Ficus carica*, by A. Mathey, p. 721-27.
- Schweizerische Zeitschrift für Forstwesen, Nov. 1909.--Die arve in der Schweiz, p. 303-6.
- Tharander forstliches Jahrbuch, 1909.--Die Insekten- und Pilzkalamitäten im Walde, by R. Beck, p. 1-65; Ameisen und Pflanzen, by K. Escherich, p. 66-96; Wandlungen in den Bestockungsverhältnisse der sächsischen staatsforsten, by A. Gross, p. 97-132; Die unechten Schaftformzahlen und Astholzgehalte der gemeinen Kiefer, by M. Kunze, p. 133-60; Sachsens Halzhandelsbilanz, by F. Mammen, p. 161-92; Die Berechtigung konservativer Wirtschaftsführung vom Standpunkte der Reinertragslehre, by H. Martin, p. 193-221; Beobachtungen und Erfahrungen über Krankheiten einiger Gehölzsamen, by F. W. Neger, p. 222-52; Zwei forstliche Düngungsversuche nach Angaben von Giersberg, by H. Vater, p. 253-86; Ueber kolloidchemische Vorgänge bei der Holzbildung, by H. Jislicenus, p. 313-58.
- Zeitschrift für Forst-und Jagdwesen, Dec. 1909.--Das Forstwesen in den deutschen Schutzgebieten; Togo, by G. Badermann, p. 796-308.

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CURRENT LITERATURE FOR FEBRUARY

1910

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FORESTRY - GENERAL

- Forestry; some practical notes on forestry suitable for
New South Wales; J. H. Maiden. Parts 1 to 19, 1904-8.
Illus. Agricultural gazette of N. S. W., Sydney.
Trees, fruits and flowers of Minnesota. 1909. 528 p.
Illus. Minnesota state horticultural society,
Minneapolis.

FOREST BOTANY

- Die arve in der Schweiz; M. Rikli. 1909. 455 p.
Illus. Zürcher and Furrer, Zürich.
Deutsche Forstbotanik; H. von Nordlinger. Vol. 1-2,
1874-6. Illus. J. G. Cotta, Stuttgart.
Illustrations of conifers; H. Clinton-Baker. Vol. 2, 1909.
79 p. Illus. Privately printed, Hertford, Eng.
New manual of botany of the central Rocky Mts.; J. M. Coul-
ter and A. Nelson. 1909. 646 p. American book com-
pany, N. Y.
The trees and shrubs of San Antonio and vicinity; B. Mack-
ensen. 1909. 51 p. Illus. The author, San
Antonio, Texas.

UNITED STATES DEPARTMENT OF AGRICULTURE

FOREST SERVICE

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FOREST SERVICE LITERATURE FOR VETERINARY

1910

Compiled by the Librarian of the Forest Service

FORESTRY - GENERAL

Forestry; some practical notes on forestry suitable for
Boy Scouts; J. H. Miller. Part 1 to 10. 1904-5.
Illus. Agricultural Service of U. S. D. Bureau.
Trees, shrubs and flowers of Minnesota. 1905. 228 p.
Illus. Minnesota State Horticultural Society.
Minneapolis.

FOREST BOTANY

The pine in the Southwest. W. Miller. 1902. 400 p.
Illus. Forest and Stream, Boston.
Botanical notes on the pine. W. Miller. 1902. 400 p.
Illus. Forest and Stream, Boston.
Illustrations of conifers. W. Miller. 1902. 400 p.
Illus. Forest and Stream, Boston.
New manual of botany of the central forest. J. H. Miller.
For and A. Nelson. 1902. 400 p.
Illus. American Book Com.
The trees and shrubs of San Antonio and vicinity. W. Miller.
1902. 400 p. Illus. The author, San
Antonio, Texas.

SILVICS

- Bemerkungen über neu eingeführte Bäume und Sträucher; J. G. Jack. 1909. 8 p. From Mitteilungen der Deutschen dendrologischen Gesellschaft, Bonn-Poppelsdorf.
- Plant migration studies: 1. Forest trees; C. E. Bessey. 1905. 27 p. Illus. University of Nebraska, Lincoln, Nebr.

Stream Flow

- The relation of forestry to engineering; B. Shimek. 1909. 16 p. Iowa City, Ia.

FOREST MANAGEMENT

Mensuration

- The measurement of saw logs; J. F. Clark. 1906. 15 p. Forestry quarterly, Cambridge, Mass.

Thinning

- Economic thinning of white pine, A. F. Hawes. 1907. 5 p. Forestry quarterly, Cambridge, Mass.

Organization and Administration

- Maryland board of forestry. Report for 1908 and 1909. 1909. 45 p. Baltimore, Md.
- Third annual report on forest conditions in Ohio; W. J. Green. 1909. 44 p. Illus. Bulletin 211, Ohio agricultural experiment station, Wooster, Ohio.
- Rhode Island - Commissioner of forestry. Fourth annual report, 1909. 1910. 29 p. Illus. Providence, R. I.
- South Australia - Woods and forests department. Annual progress report upon state forest administration for the year 1908-9. 1909. 12 p. Illus. Adelaide; South Australia.
- United States - Forest service. February field program, 1910. 31 p. Washington, D. C.

Researcher has not identified name and date of publication
Book. 1909. 8 p. From Miscellaneous for Forestry
Department, Department of Forestry, University of Nebraska
Plant material on exhibit in Forest Survey, S. E. Nebraska
1909. 29 p. Illinois. University of Nebraska
Lincoln, Neb.

Forest Survey, Illinois. University of Nebraska
The relation of forestry to engineering
18 p. Iowa City, Ia.

FOREST MANAGEMENT

Measurement
The measurement of saw logs, J. F. Ginn
Forestry quarterly, Cambridge, Mass.
1906. 12 p.

Measurement
Economic timber of white pine, A. F. Ginn
S. E. Forestry quarterly, Cambridge, Mass.
1907

Organization and Administration
Survey of forest management, Report for 1908 and 1909
1909. 42 p. Illinois. University of Nebraska
Third annual report on forest conditions in Ohio, W. F.
Green. 1908. 42 p. Illinois. University of Nebraska
Scientific management of forests, Forest Survey, S. E. Nebraska
Report, 1908. 1909. 29 p. Illinois. University of Nebraska
South American - Woods and Forests Department, Annual
progress report upon state forest administration for
the year 1908-1909. 18 p. Illinois. University of Nebraska
South American
United States - Forest Survey, Forest Survey, S. E. Nebraska
1910. 31 p. Washington, D. C.

National and State Forests

Location and area of the national forests in the United States, Alaska, and Porto Rico, and dates when latest proclamations became effective; Dec. 31, 1909. 1910. 4 p. Forest service, Washington, D. C.

UTILIZATION

Burmese "In" wood, *Dipterocarpus tuberculatus*; R. S. Troup. 1909. 24 p. Illus. Forest pamphlet no. 13, Forest dept., Calcutta, India.

Die Forstbenutzung; K. Gayer and H. Mayr. Edition 10, 1909. 637 p. Illus. P. Parey, Berlin.

Report on the utilization of timber for surface construction, shafts and mine props; R. C. Bryant. 1905. 44 p. Illus. Philadelphia and Reading coal and iron co., Pottsville, Pa.

Western Australian hardwoods and their uses for street paving, engineering and other purposes. 1902. 68 p. Western Australian agency, London.

Wood Preservation

Grande découverte pour l'imprégnation des bois; J. Gerlache and A. Berge. 1909. 8 p. Brussels, Belgium.

STATISTICS

Exports of farm and forest products, 1906-1908, by countries to which consigned. 1910. 91 p. Bulletin 77, Bureau of statistics, U. S. Dept. of Agriculture, Washington, D. C.

Forest products of the United States, 1908. 1909. 137 p. Bureau of the Census, Washington, D. C.

Record of wholesale prices of lumber based on actual sales made f.o.b. each market, for October, November, and December, 1909. 20 p. Forest service, Washington, D. C.

Record of wholesale prices of lumber based on actual sales made f.o.b. mill for October, November, and December, 1909. 13 p. Forest service, Washington, D. C.

National and State Forests

Location and area of the national forests in the United States, Alaska, and Porto Rico, and tables showing the production of forest products, 1903-1908. Forest Service, Washington, D. C.

UTILIZATION

Insects

Timber "In" wood, *Diplosynceus subseriatus*, H. S.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Forest, 1903-1908. U. S. Forest Service, Washington, D. C.

Wood Preservation

Grande découverte pour l'information des bois, J. G. G. and A. G. G. 1903-1908. Brussels, Belgium.

Grande découverte pour l'information des bois, J. G. G. and A. G. G. 1903-1908. Brussels, Belgium.

Grande découverte pour l'information des bois, J. G. G. and A. G. G. 1903-1908. Brussels, Belgium.

Grande découverte pour l'information des bois, J. G. G. and A. G. G. 1903-1908. Brussels, Belgium.

STATISTICS

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

Statistics of the forest products of the United States, 1903-1908. U. S. Forest Service, Washington, D. C.

PROCEEDINGS OF ASSOCIATIONS

University of Nebraska -- Forest Club Program, 2d semester
1909-10. 4 p. Lincoln, Nebr.

FOREST ENEMIES

Insects

On some undescribed scolytidae of economic importance from
the Indian region; E. P. Stebbing. Part 2, 1909.
20 p. Supt. of government printing, Calcutta.

Diseases

The mistletoe pest in the southwest; W. L. Bray. 1910.
39 p. Illus. Bulletin 166, Bureau of plant indus-
try. U. S. Dept. of agriculture, Wash., D. C.

CONSERVATION OF NATURAL RESOURCES

The function of chemistry in the conservation of our nat-
ural resources; M. T. Bogert. 1909. 30 p. Amer-
ican chemical society, N. Y.

West Virginia conservation commission. Report, 1908.
1909. 62 p. Charleston, W. Va.

IRRIGATION

Irrigation in Texas; J. C. Nagle. 1910. 92 p. Bulle-
tin 222, Office of experiment stations, U. S. Dept.
of agriculture, Wash., D. C.

LAW

Brief and memorandum relating to riparian and water rights
of the federal government and of the various states;
K. Nelson. 14 p. Govt. printing office, Wash., D. C.
Conservation - Water power; the jurisdiction of the states;
speech of Hon. S. C. Smith of California in the House
of Representatives, Jan. 8, 1910. 16 p. Govt. print-
ing office, Wash., D. C.

The lumber tariff; a review of arguments; J. E. Defebaugh.
1909. 12 p. American lumberman, Chicago.

CONSERVATION OF RESOURCES

University of Wisconsin - Forest Club - Forest Club
1909-10. 4 p. Lincoln, Neb.

FOREST INQUIRIES

Insects

On some undescribed scolytids of economic importance from
the Indian region; E. F. Stebbins. Part 2. 1909.
20 p. Dept. of Government Printing, California.

Diseases

The mistletoe pest in the southwest; W. L. Bray. 1910.
39 p. Illinois. Bulletin 166, Bureau of plant industry.
U. S. Dept. of Agriculture, Wash., D. C.

CONSERVATION OF NATURAL RESOURCES

The function of chemistry in the conservation of our nat-
ural resources; E. T. Bennett. 1909. 20 p. Amer-
ican Chemical Society, N. Y.
West Virginia conservation commission. Report, 1908.
1909. 62 p. Charleston, W. Va.

IRRIGATION

in the Spence Reservoir of Arkansas, p. 412-413.
Investigation in Texas; J. C. Wiegler. 1910. 32 p. Bulle-
tin 222, Office of experiment stations, U. S. Dept.
of Agriculture, Wash., D. C.

LAKE

Brief and memoranda relating to riparian and water rights
of the Federal Government and of the various States;
K. Nelson. 16 p. Govt. Printing Office, Wash., D. C.
Conservation - Water power; the jurisdiction of the States
speech of Hon. S. C. Salath of California in the House
of Representatives, Jan. 8, 1910. 16 p. Govt. Print-
ing Office, Wash., D. C.
The lumber tariff; a review of arguments; J. E. Datsbaugh.
1909. 12 p. American Lumberman, Chicago.

The lumber tariff in its relation to the value of farms and to the property interests of farmers and other small timber owners; J. E. Defebaugh. 1909. 14 p. Govt. printing office, Washington, D. C.

Maine - Legislature. An act for the preservation, perpetuation and increase of the forests of the state of Maine. 1909. 14 p. Augusta, Me.

PERIODICALS

General

- Abendschule, Dec. 1909.--Wälder und Wäldbrände, by Louis Dorn, p. 358-63.
- American homes, Jan. 1910.--Talk about planting trees, by E. P. Powell; supplément 2; Pruning, supplément 13.
- American magazine, March, 1910.--The Ballinger case; a study in official fitness, by S. E. White, p. 686-9.
- Annals of the American academy, Jan. 1910.--Natural resources and conservation, by J. H. Finney, p. 67-76.
- Botanical gazette, Jan. 1910.--The microsporophylls of ginkgo, by Anna M. Starr, p. 51-5; Microtechnique for woody structures, by I. W. Bailey, p. 57-8.
- Canadian magazine, Jan. 1910.--Conservation of natural resources in Canada, by E. Stewart, p. 217-20.
- Farm and fireside, Jan. 25, 1910.--James Wilson, Secretary of agriculture, by J. Snure, p. 3-4.
- Garden magazine, March, 1910.--Pruning the box-elder, by C. L. Meller, p. 108-12.
- Gardeners' chronicle, Dec. 11, 1909.--Eucalyptus cordata, by J. Melville, p. 403.
- Gardeners' chronicle, Dec. 18, 1909.--American crataegi in the Species Plantarum of Linnaeus, p. 412-13; Eucalyptus cordata, by E. A. Bowles and others, p. 422-3.
- Gardeners' chronicle, Dec. 25, 1909.--The candle tree, by H. F. Macmillan, p. 431.
- Independent, Jan. 13, 1910.--Removal of Forester Pinchot, p. 65-7, 105-6.
- Minnesota horticulturist, Feb. 1910.--Effects of deep snow on trees, by A. Terry, p. 67-9.
- Munsey, March, 1910.--The wealth of our mines and forests, by M. G. Seckendorff, p. 790-2.
- Outlook, Jan. 15, 1910.--Dismissal of Pinchot, p. 107-8; Tariff on lumber, by C. Hill, p. 143-4.
- Outlook, Feb. 5, 1910.--Election of Mr. Pinchot to presidency of National conservation association, p. 282-3.

Political science quarterly, Dec. 1909.--State taxation and forest lands, by C. F. Robinson, p. 615-22.
 Scientific American, Nov. 13, 1909.--Making alcohol from wood waste, p. 352, 359-60.
 Scientific American supplement, Jan. 1, 1910.--Microscopic tree-fungi, by J. Scott, p. 13.
 Scientific American supplement, Jan. 22, 1910.--Insects vs. fires, by C. R. Dodge, p. 61-2.
 Sunset, Jan. 1910.--Forests for the future, by T. B. Walker, p. 59-65, 117-18.
 Technical world magazine, March, 1910.--Shall the land looters escape, by A. C. Laut, p. 3-15.
 Van Norden's magazine, March, 1910.--What Pinchot did not tell, by Robert Wickcliffe Wooley, p. 613-16.

Trade Journals and Consular Reports

American lumberman, Feb. 12, 1910.--The forester's relations with the public, by E. T. Allen, p. 47-8; Lumber viewed as a forest by-product, by D. H. McEwen, p. 50c; Plan for state action favoring reforestation, by E. H. Farrar, p. 50c.
 American lumberman, Feb. 19, 1910.--Forestal influences upon climate and floods, by W. L. Mocre, p. 43.
 Barrel and Box, Feb. 1910.--The export stave trade, p. 34-6.
 Engineering magazine, Jan. 1910.--Cost of timber preservation, by G. B. Shipley, p. 599-602.
 Engineering record, Jan. 8, 1910.--The danger due to dry rot, p. 33.
 Hardwood record, Feb. 10, 1910.--Basket or cow oak, p. 24; Rough country lumbering operations, by H. H. Gibson, p. 38-41; Forestry, by W. B. Townsend, p. 41-2; Manufacturing cost of lumber, by F. F. Fee, p. 43-4; Some problems in the manufacture of hardwood lumber, by H. von Schrenk, p. 46-8; Utilization of hardwoods; light vehicles, p. 55-6; Machinery for broom handle manufacture, by H. B. Alexander, p. 57-8; Special combined skidder and loader, p. 62.
 Lumber trade journal, Feb. 15, 1910.--Henry S. Graves, an inheritor of ideals, p. 11; Address before Pennsylvania lumbermen's association, by R. S. Kellogg, p. 43; Address before the Hardwood Lumber Manufacturer's association, by W. L. Hall, p. 43-4.
 Lumber world, Feb. 1, 1910.--Missouri forestry commission's work, by D. A. Latchaw, p. 46-8.
 Pacific lumber trade journal, Jan. 1910.--Conservation association working on practical lines, by R. W. Douglas, p. 47-8; Lumber production of Pacific coast and United States, p. 49-55; Washington forest fire association;

Trade Journals and Consular Reports

American Lumberman, Feb. 12, 1910.--The forester's relation with the public, by E. F. Allen, p. 47-51; Lumber view as a forest by-product, by H. H. Moorman, p. 50; Plan for state action favoring reforestation, by E. R. Parry, p. 50.
 American Lumberman, Feb. 12, 1910.--Forested landlessness up climate and floods, by W. L. Moore, p. 43.
 Barbel and Box, Feb. 1910.--The export state trade, p. 34-6.
 Engineering magazine, Jan. 1910.--Cost of timber preservation, by G. B. Stigler, p. 599-602.
 Engineering record, Jan. 8, 1910.--The danger due to dry rot, p. 53.
 Hardwood record, Feb. 10, 1910.--Basket or saw cut, p. 24; Rough country lumbering operations, by E. R. Gibson, p. 38-41; Forestry, by W. B. Townsend, p. 41-2; Lumbering cost of lumber, by E. F. Foss, p. 43-4; Some problems in the manufacture of hardwood lumber, by H. von Gehrke, p. 45-6; Machinery for processing lumber, p. 55-6; Machinery for processing lumber, p. 55-6; Machinery for processing lumber, p. 55-6.
 Lumber trade journal, Feb. 12, 1910.--Henry S. Graves, an indicator of trends, p. 11; Address before Pennsylvania Lumbermen's association, by R. R. Kellie, p. 43; Address before the Hardwood Lumber Manufacturers' association, by W. L. Hall, p. 43-4.
 Lumber world, Feb. 1, 1910.--Missouri forestry commission's work, by D. A. Latham, p. 48-8.
 Pacific lumber trade journal, Jan. 1910.--Cooperation association working on general lines, by H. W. Douglas, p. 47-9; Lumber production of Pacific coast and United States, p. 49-52; Washington forest fire association, p. 49-52.

- by D. P. Simons, p. 59-63; Merchantable trees of the Philippine Islands, p. 64-66; Declaration of strong principles, by E. T. Allen, p. 70-72; Reserves of Washington and Oregon, p. 81-82.
- Packages, Feb. 1910.--New packages; crates and boxes designed by the General package company of New York, p. 37-8.
- Pulp and paper magazine, Feb. 1910.--Norwegian wood flour, by H. Nordewich, p. 37.
- St. Louis lumberman, Feb. 1, 1910.--Forestry and the lumbermen, by D. A. Latchaw, p. 79-80; Our natural resources, by E. M. Stottlar, p. 88-9; The Yale forest school, by Henry S. Graves, p. 95; Burning of slashings, by J. E. Rhodes, p. 100-1.
- St. Louis lumberman, Feb. 15, 1910.--The American steam log loader, p. 98.
- Southern lumber journal, Jan. 15, 1910.--Forty miles of wooden paving, p. 42.
- Timber trade journal, Feb. 5, 1910.--Some fine figured mahogany logs, p. 189; The measurement of standing timber, p. 191.
- U. S. daily consular report, Feb. 3, 1910.--Oil palm in Liberia; varieties of the tree and manufacture of the oil, by G. W. Ellis, p. 8-11.
- U. S. daily consular report, Feb. 10, 1910.--World rubber production; by I. B. Dudley and others, p. 1-5; Wood carving in Switzerland, by R. E. Mansfield, p. 15.
- U. S. daily consular report, Feb. 16, 1910.--Siberia's timber supply; extent and character of the forests, by L. Maynard, p. 10-12.

Forest Journals

- Allgemeine Forst-und Jagd-Zeitung, Jan. 1910.--Einiges über den Forstdienst in den Philippinen, by W. Klemme, p. 1-4; Zuwachsuntersuchungen an Eichen, by Usener, p. 4-9; Eine Reise ins Grubensgebiet Westdeustschlands, p. 9-16.
- American forestry, Feb. 1910.--The Appalachian forests, by C. Guild, p. 67-74; Forest problems in the Philippines, by B. Moore, p. 75-81; Forestry beginnings in Vermont, by A. F. Hawes, p. 82-7; A new cypress for Arizona, by G. B. Sudworth, p. 88-90; The 29th annual meeting of the American forestry association, p. 91-100; Grazing leases in Australasia, by A. C. Veatch, p. 101-3; Conference on education in forestry, p. 104-5; Henry Selon Graves, Forester, U. S. Forest service, p. 106-7; Albert F. Potter, p. 107-8; The connection between forests and streams, by John H. Finney, p. 109-10.

- Bulletin de la Société centrale forestière de Belgique, Jan. 1910.--Unification des tarifs de transport des bois de mines, by E. Lecuit, p. 1-19; De l'exploitation des futaies, by C. Broilliard, p. 19-28; La protection des oiseaux insectivores, p. 28-40.
- Canadian forestry journal, Dec. 1909.--The spruce budworm, by A. Gibson, p. 143-4; The British Columbia timber situation; two remedies, p. 144-50; Forestry in New Brunswick, by T. G. Loggie, p. 150-1; Fire protection on forest reserves, by A. Knechtel, p. 151-3; Quelques notes sur le Douglas, by D. Cannon, p. 156-60; Conservation of natural resources, by W. Pearce, p. 160-2; New diseases of the white pine, p. 164-6.
- Centralblatt für das gesamte Forstwesen, Dec. 1909.--Zuwachsstudien in einem Fichtenbestande, by A. Schiffel, p. 505-27; Einiges über den Mehltau, by F. Baudisch, p. 527-9.
- Forest leaves, Feb. 1910.--White cedar; arborvitae, by J. T. Rothrock, p. 105; Balsam fir, by J. T. Rothrock, p. 105; Through what agencies can the restoration and conservation of our forests be secured, by S. B. Elliott, p. 107-10.
- Forstwissenschaftliches Centralblatt, Dec. 1909.--Die Erziehung hochwertigen Kiefern-Nutzholzes, by P. Frey, p. 609-15; Die künstliche Düngung im forstlichen Betrieb, vom waldbaulich-ökonomischen Standpunkt, by Werkmann, p. 615-31; Über Fichtenverjüngung mittels Unterpflanzung, by P. Sieber, p. 631-40.
- Forstwissenschaftliches Centralblatt, Jan. 1910.--Ein Nassau-Saarbrückisches Forsteinrichtungswerk aus dem Jahre 1787, by J. Keiper, p. 1-19; Der Reservefonds der württembergischen Staatsforsten, by C. Wagner, p. 20-36.
- Quarterly journal of forestry, Jan. 1910.--Royal Scottish arboricultural society's forestry tour in Bavaria, by J. H. Hill, p. 1-9; The butterflies and larger moths affecting forestry in Britain, by B. W. Adkin, p. 9-30; Thin versus thick planting, by H. J. Elwes, p. 30-3; A tour in Scotland, by P. T. Maw, p. 36-43.
- Revue des Eaux et Forêts, Jan. 1, 1910.--L'olivier, Olea europaea, by A. Mathey, p. 5-19; Déforestation sur la route d'Orient, by R. D., p. 20-1.
- Revue des Eaux et Forêts, Jan. 15, 1910.--Le grenadier, Punica granatum, by A. Mathey, p. 34-5; Le caroubier, Ceratonia siliqua, by A. Mathey, p. 39-42.
- Zeitschrift für Forst- und Jagdwesen, Jan. 1910.--Die gemischten Bestände der Oberforsterei Zerrin, by Krause, p. 3-27; Die forstlichen Verhältnisse Uruguays, by H. Müller, p. 27-37; Beiträge zur Forsteinrichtungsfrage, by O. Kaiser, p. 37-43; Untersuchungen über die Qualität von Fichtenholz aus dem Harz und aus Ostpreussen, by Dengler, p. 43-8; Die Aussichten der Gerbstoffproduktion in den deutschen Kolonien, by Semper, p. 48-52.

Walter Mufford

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CURRENT LITERATURE FOR MARCH

1910

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FORESTRY - GENERAL

Practical agriculture; a brief treatise on agriculture, forestry, stock feeding, animal husbandry, and road building; J. W. Wilkinson. 1909. 383 p. Illus.
American Book Co., N. Y.

FOREST BOTANY

The beech; S. W. Maury. 1909. 16 p. Illus.
Nunemacher Press, Louisville, Ky.

The ginkgo; S. W. Maury. 1909. 15 p. Illus.
Nunemacher Press, Louisville, Ky.

The forest flora of New South Wales; J. H. Maiden. Pt. 37, 1909. 18 p. Illus. Govt. printer, Sydney, N. S. W.

A manual of botany for Indian forest students; R. S. Hole. 1909. 250 p. Illus. Supt. of govt. printing, Calcutta, India.

Studies of fruit and nut bearing trees; E. R. Mosher. 1908. 52 p. Illus. C. W. Bardeen, Syracuse, N. Y.

Studies of our cone-bearing trees; E. R. Mosher. 1909. 34 p. Illus. C. W. Bardeen, Syracuse, N. Y.

Studies of our oaks and maples; E. R. Mosher. 1909. 14 p. Illus. C. W. Bardeen, Syracuse, N. Y.

The trees of California; W. L. Jepson. 1909. 228 p. Illus. Cunningham, Curtis and Welch, San Francisco.

Forest Geography

Forest conditions in South Carolina; report of preliminary examination and survey; W. M. Moore. 1910. 54 p. Illus. Bulletin 1, State department of agriculture; commerce and industries, Columbia, S. C.

Study of forest conditions in Kentucky; second report made by the Forest service in co-operation with the Kentucky state board of agriculture, forestry and immigration; J. S. Holmes and R. C. Hall. 1909. 176 p. Bureau of agriculture, Frankfort, Ky.

SILVICS

Nablyúdeniya meteorologhicheskoi observatorii Imperatorskagho lyesnogo Instituta v S.- Peterburgh (Observations of the meteorological observatory of the Imperial forest institute of St. Petersburg) for 1907. 1909. 67 p. M. A. Aleksandrova, S.- Peterburgh.

O roli lyesa v pochvoobrazovanii (Role of the forests in the formation of soil); M. Tkachenko. 1908. 198 p. Illus. M. P. Frolov, S.- Peterburgh.

Stream Flow

Forests and reservoirs in their relation to stream flow, with particular reference to navigable rivers; with discussion H. M. Chittenden. 1909. 302 p. Illus. American society of civil engineers, N. Y.

A report on "The influence of forests on climate and on floods" W. L. Moore. 1910. 38 p. Illus. Committee on agriculture, House of representatives, Wash., D. C.

HISTORICAL

Skogvaesenets historie, 1857-1907. Vol. 1 - 2, 1909. Skogdirektoren, Kristiania, Norway.

EDUCATIONAL

How to teach about trees; F. O. Payne. 1901. 64 p. Illus. E. L. Kellogg & Co., N. Y. and Chicago.

The lovers of the woods; W. H. Boardman. 1901. 239 p. McClure, Phillips & Co., N. Y.

FOREST MANAGEMENT

Mensuration

- Table for the measurement of logs; N. W. Spaulding. 1909.
20 p. California saw works, San Francisco.
Zuwachsstudien in einem Fichtenbestande; A. Schiffel. 1909.
25 p. W. Frick, Wien.

Surveying and Mapping

- Instructions for making forest surveys and maps. 1910.
51 p. Illus. Forest service, Wash., D. C.

Lumbering

- Red wood forest; remarks of Hon. Wm. F. Englebright of California in the House of representatives, Monday, Jan. 31, 1910. 4 p. Govt. printing office, Wash., D. C.

Planting

- American forestry company. Catalogue and price-list, 1910.
16 p. South Framingham, Mass.
Conservation des haies; M. Gans-Lombard. 1908, 19 p.
G. Bridel et Cie, Lausanne.
Growing mahogany for market; from seedling to sawmill in ten years. 47 p. Illus. North America hardwood timber company, N. Y.

Cultural

- Untersuchungen "über die Aufzucht der Waldbäume; E. Zederbauer. 1909. 17 p. W. Frick, Wien.

Organization and Administration

- India - Forest department. Review of forest administration in British India for the year 1907 - 1908. 1910.
54 p. Supt. of government printing, Calcutta, India.
Philippine Islands - Bureau of forestry. Annual report of the Director of forestry, 1908 - 1909. 1909. 20 p.
Manila, P. I.
U. S. - Forest service. March field program, 1910. 36 p.
Washington, D. C.

Introduction

This report was prepared for the Department of the Interior, Bureau of Land Management, by the Forest Service, Pacific Northwest Region, in cooperation with the Forest Service, Alaska Region, and the Forest Service, Alaska Division, Fairbanks, Alaska.

Background and Purpose

The purpose of this study was to determine the extent of forest resources in the State of Alaska, and to provide a basis for the management of these resources.

Methods

The data for this study were obtained from a review of the literature, and from field work conducted in the State of Alaska.

Results

The results of this study indicate that there are large areas of forest resources in the State of Alaska, and that these resources are in need of management.

Conclusions

The conclusions of this study are that there are large areas of forest resources in the State of Alaska, and that these resources are in need of management.

Recommendations and Conclusions

The recommendations of this study are that the State of Alaska should establish a system of forest management, and that the Forest Service should be given the authority to manage these resources.

UTILIZATION

- Burmese leza wood, *Lagerstroemia tomentosa*; R. S. Troup. 1909. 6 p. Illus. Forest pamphlet no. 10, Dept. of forestry, Calcutta, India.
- Carallia wood, *Carallia integerrima*; R. S. Troup. 1909. 9 p. Illus. Forest pamphlet no. 11, Dept. of forestry, Calcutta, India.

Wood Preservation

- Imprägnierung von Buchenschwellen mit arsenigsaurem Kupferoxyd; N. von Lorenz. 1909. 5 p. W. Frick, Wien.
- The preservative treatment of farm timbers; C. P. Willis. 1910. 19 p. Illus. Farmers' bulletin 387, U. S. Dept. of agriculture.

WOOD TECHNOLOGY

- Analytische Untersuchung des Begriffes der Holzhärte; N. von Lorenz. 1909. 41 p. W. Frick, Wien.
- Untersuchungen über die Elastizität und Festigkeit der österreichischen Bauholzer; G. Janka. Pt. 3, 1909. 119 p. Illus. W. Frick, Wien.

STATISTICS

- Antliche Mittheilungen aus der Abteilung für Forsten des königlich preussischen Ministeriums für Landwirtschaft, Domänen und Forsten, 1903. 1910. 47 p. J. Springer, Berlin.
- Forest products of Canada, 1903; H. R. Mac Millan and G. A. Gutches. 1910. Bulletin no. 8, Forestry branch, Dept. of the interior, Ottawa, Canada.
- Skovbruget i Danmark paa grundlag af areal-opgørelsen af 1907, udgivet af Statens statistiske bureau. 1909. 71 p. Bianco Lunos bogtrykkeri, København.

FOREST ENEMIES

Diseases of Trees

- Fungous diseases of plants; B. M. Duggar. 1909. 503 p. Illus. Ginn & Co., Boston.

DO NOT WRITE ON THIS SIDE OF THE PAGE

Country life in America, 1910.--How one town is built

Fire

Forest fires in Vermont; A. F. Hawes. 1909. 48 p.
Illus. Publication no. 2, Vermont forest service.

Hail

Hail injury on forest trees; F. J. Phillips. 1910.
8 p. Illus. Transactions of the Academy of science
of St. Louis, v. 19, no. 3.

CONSERVATION OF NATURAL RESOURCES

Conservation of natural resources; special message of the
President of the United States transmitted to the two
houses of congress Jan. 14, 1910. 11 p. Govt.
printing office, Washington, D. C.

PERIODICALS

General

- American homes, Feb. 1910.--American forestry school; by
D. A. Willey, p. 71-3; Street trees, supplement 13;
Destruction of wood borers, supplement 14; Timber
famine predicted in 20 years, supplement 15.
- Botanical gazette, Feb. 1910.--The reforestation of sand
plains in Vermont, by C. D. Howe, p. 126-48.
- Botanical gazette, March 1910.--On the origin of the broad
ray in Quercus, by A. J. Eames, p. 161-7.
- Century magazine, March 1910.--Motoring in a cactus forest,
by C. F. Holder, p. 762-73.
- Country life in America, March 1910.--How one town is saving
its trees, by W. A. Dyer, p. 545-6; Our native trees;
hemlock, by A. O. Huntington, p. 624, 326; How to thin
trees properly, p. 630-632.
- Garden magazine, April 1910.--The best trees for lawn,
street and woodland planting, by J. J. Levison, p. 160.
- Gardeners' chronicle, Jan. 22, 1910.--Abies webbiana, p. 53;
New American thorns, p. 60.
- House beautiful, March 1910.--Planting trees about a country
home, by L. O. Machin, p. 106-7.
- Journal of botany, March 1910.--Notes on British elms, by
A. Ley, p. 65-72.
- National irrigation journal, March 1910.--Trees, their life,
beauty, utility and relation to soils, by W. J. Lacey,
p. 23 - 5.
- Outlook, Feb. 12, 1910.--Forest taxation, p. 322.

Overland monthly, Feb. 1910.--Lumber as a crop, by P. N. Beringer, p. 191-2; Seeking the teredo proof, by P. N. Beringer, p. 192-3.

Plant world, Feb. 1910.--Teratology in Juglans californica, by E. B. Babcock, p. 27 - 31.

Proceedings of American society of civil engineers, Feb. 1910.--Tests of creosoted timber, by W. B. Gregory, p. 245-61.

Report of proceedings of the American mining congress, 1909.--The Forest service and mining in the national forests, by W. W. Dyar, p. 258-72.

Scientific American, Jan. 22, 1910.--A power-driven saw, p. 86.

System, Feb. 1910.--The wanton waste of wood, by E. M. Woolley, p. 132-141.

Transvaal agricultural journal, Jan. 1910.--Wattle growing for bark, by Lionel E. Taylor, p. 235-41.

World's work, March 1910.--Gifford Pinchot, the awakener of the nation, by Walter H. Page, p. 12662-8.

Trade Journals and Consular Reports

American lumberman, Feb. 26, 1910.--Relation between forest growers and lumber sellers, by C. S. Chapman, p. 52-3; Timber wealth of a sister republic, Guatemala, p. 75-94.

American lumberman, March 5, 1910.--Report of the Committee on forestry of the National wholesale lumber dealers' association, p. 50; Timber resources of Panama, p. 59-74.

American lumberman, March 12, 1910.--Preservation of Adirondack forest in relation to water supply, by H. E. O'Neil, p. 36-7.

American lumberman, March 19, 1910.--Minnesota's forests as an object lesson in practical conservation, by J. E. Rhodes, p. 37; Inferior and inadequate packages a menace to American exports, by C. E. Brower, p. 51.

Barrel & box, March 1910.--Lumber suitable for making boxes, by R. H. Van Sant, p. 56-7.

Engineering news, Feb. 3, 1910.--Annual convention of the Wood preservers' association, p. 121-2; Treating timber with crude petroleum, by C. M. Taylor, p. 132; Two foreign developments in railway ties, p. 204.

Engineering record, Feb. 26, 1910.--The economy of treated crossties, by F. J. Angier, p. 246-7.

Hardwood record, Feb. 25, 1910.--American forest trees; scarlet oak, p. 23; Utilization of hardwoods; graphophones, p. 27-8; The hustling tree doctor of Glen Ellyn, p. 30.

Hardwood record, March 10, 1910.--Pacific post oak, p. 23;
 Handles for bill posters' brushes and lithograph sticks,
 by H. B. Alexander, p. 24-5; Rare woods found in the
 forests of Bahia, by P. P. Demers, p. 25.

Mining world, March 5, 1910.--Protecting mine timbers from
 fungus, by J. Macoun, p. 503.

Mississippi Valley lumberman, March 18, 1910.--Minnesota
 conservation congress, p. 37-8.

Municipal journal and engineer, March 2, 1910.--Wood paving
 block specifications, p. 314-15.

Municipal journal and engineer, March 23, 1910.--Wood
 block specifications, by C. Richardson, p. 424-5.

National Coopers' journal, March 1910.--The Appalachian for-
 ests, a national question, by C. Guild, p. 13-14.

Pacific lumber trade journal, Feb. 1910.--Work we must do
 together, by E. T. Allen, p. 22-3.

Paper trade journal, Feb. 10, 1910.--The Forest service;
 sketches of the careers of its former chief and his
 successor, p. 187, 189.

Pioneer western lumberman, March 1, 1910.--Forest fires, by
 E. T. Allen, p. 15.

Pioneer western lumberman, March 15, 1910.--Underground tim-
 ber, p. 11.

Railway & engineering review, March 12, 1910.--Forestry work
 of the A. T. & S. F. Ry., p. 252-5.

St. Louis lumberman, March 15, 1910.--The new forest prod-
 ucts laboratory at Madison, Wis., by M. Cline, p. 28;
 Hardwood flooring in the saw mill, p. 57-8; The rec-
 lamation of southern swamp lands, p. 58-9.

Southern industrial and lumber review, March 1910.--Value
 of eucalyptus, p. 59; Yellow pine manufacturers' as-
 sociation's grading rules for yellow pine lumber,
 p. 70-74.

Timberman, Feb. 1910.--Increase life of timbers, by J. B.
 Knapp, p. 27; Interesting exploitation of the teak in-
 dustry of the island of Java, by T. Callow, p. 50-1;
 Successful installation of monorail system for handling
 lumber, by F. G. Benjamin, p. 52-4.

Timberman, March 1910.--The lumber trade in Germany; Ham-
 burg the great purchasing center, by R. C. Skinner,
 p. 50-1; Lumber business in Siberia, by W. Toritch,
 p. 51.

United States weekly consular & trade reports, March 5, 1910.--
 Peruvian forestry development; new law provides favorable
 features for exploitations, by W. P. Cresson, p. 36.

United States weekly consular & trade reports, March 12, 1910.--
 Teak wood output of Siam will be reduced, by C. C. Hansen,
 p. 81; Wood preservation; new process of treatment in
 Australia, by J. F. Jewell, p. 96.

Wood craft, March 1910.--Art ^{and} practice of staining and finishing woods, by A. A. Kelly, p. 169-71; The wood of cigar boxes, p. 171-2; Some simple chemistry for painters and wood finishers, by G. B. Heckel, p. 176-9.

Forest Journals

Allgemeine Forst-und Jagd-Zeitung, Feb. 1910.--Windfäll in der grossh. hessischen Oberförsterei Schaafheim, p. 41-6; Zuwachsuntersuchungen an Buchen, by Usener, p. 46-8; Unser Laubholz-Hochwald, by Jürgens, p. 48-54.

American forestry, March 1910.--The battle for the Weeks bill, p. 133-44; Growing oak trees, by E. W. Höcker, p. 145-8; The effect of the forest upon waters, translated by M. A. Castle, p. 156-73; Economic selection and processing of raw materials in the paper industry, by M. L. Griffin, p. 177-9; Federal aid for teaching forestry, by S. B. Green, p. 179-80; National Forests and stream protection, by F. A. Fenn, p. 187-8.

Bulletin de la Société centrale forestière de Belgique, Feb. 1910.--Exploitation abusive des forêts particulières, by L. du Bus de Warnaffe, p. 73-83; Les arbres exotiques le long des routes, by L. Berger, p. 83-90; Incendies de forêts; mesures préventives et moyens de combat, by L. B., p. 90-5; Statistique des chemins de fer de l'Etat belge au point de vue forestier, p. 95-9; La forêt de Berce, by T. Collignon, p. 100-111.

Centralblatt für das gesammte Forstwesen, Jan. 1910.--Über Zuwachsprozente, by A. Schiffel, p. 6-20; Untersuchungen von Waldsamen, by K. Dorph-Petersen, p. 21-2; Keimprüfung von Waldsamen, by Jacobsen, p. 22-8.

Forest, fish and game, Feb. 1910.--Trees as benefactors; they pay taxes and largely support Wurtemberg villagers, by C. I. Dorrian, p. 57-62; Management of a yellow pine forest, by B. F. Williamson, p. 62-5; Firing the woods in North Georgia, by W. H. Shippen, p. 66-71.

Forstwissenschaftliches Centralblatt, Feb. 1910.--Frost-, Ring-, und Kernrisse, by Busse, p. 74-84; Über Pflanzmethoden als Vorbeugungsmassregeln gegen Engerlingschaden, by D. Tiemann, p. 84-91; Neue Anregungen aus der forstlichen Praxis zur Bekämpfung der Nonne, by Klock, p. 109-13.

Hawaiian forester and agriculturist, Jan. 1910.--Gifford Pinchot, by R. S. Hosmer, p. 3-4.

Minnesota forester, Feb. 1910.--The cottonwoods, p. 20-2.

Revue des Eaux et Forêts, Feb. 1, 1910.--L'amandier, le jujubier, etc., by A. Mathey, p. 67-76.

Schweizerische Zeitschrift für Forstwesen, Jan. 1910.--

Zur Kenntniss des Vogelbeerbaumes, by F. Fankhauser, p. 1-6;
Das Vorfeld (Sturzbett) bei den Querwerken der Wildbach-
verbauung, by A. Hofmann, p. 11-17; Die Wellingtonien-
Bestände von Calaveras, Kalifornien, p. 21-4.

Tharander forstliches Jahrbuch, 1909.--Die Ausführung von
Versuchen zur Feststellung des Nährstoffmangels der
Waldböden, by H. Vater, p. 177-212; Das Zulangen der
Nährstoffe im Waldboden für das Gedeihen von Kiefer und
Fichte, by H. Vater, p. 213-60; Bemerkung zur
Stickstoffaufnahme der Waldbäume, by H. Vater, p. 261-77;
Gesetze, Verordnungen und Dienstanweisungen, welche aus
das Forstwesen Bezug haben, by Flemming, p. 279-317.

Walter Mulford

MONTHLY LIST FOR JUNE, 1910

Forest administration

(Books and periodicals indexed in the Library of the United States Forest Service)

Forest aesthetics

Street and park trees

- Guild, Irving T. Is the tree in the highway? 2 p. Boston, 1910. (Massachusetts forestry association. Bulletin 1.)
Olbrich, Stephan. Vermehrung und schnitt der ziergehölze. 2d edition. 241 p., illus. Stuttgart, E. Ulmer, 1910.

Forest legislation

- Massachusetts forestry association. Shade tree laws of Massachusetts. 24 p. Boston, 1910.

Forest description

- Kansas—State forester. Report upon forest conditions in central and western Kansas. 63 p., illus. Manhattan, Kans., 1910. (Kansas—Agricultural experiment station. Bulletin 165.)

Silviculture

- Dittmar, Heinrich, J. A. Der waldbau, ein leitfaden für den unterricht und die praxis, ein handbuch für den privatwaldbesitzer. 279 p. Neudamm, J. Neumann, 1910.
Grenander, Tell. Kort handledning i varden af öfre Norrlands skogar (Short directions for the care of the forests of upper Norrland). 55 p., illus. Stockholm, A. B. Fahlcrantz, 1909.
Lovén, Fredrik. Hufvuddragen af vara barrskogars lif, skötsel, och vard (Leading features of the life, cultivation, and care of our fir forests). 23 p. Filipstad, Filipstads tidnings tryckeri, 1905.
Lovén, Fredrik. Rad vid afverkning och skogsodling af barrskog (Advice in regard to the working and cultivation of fir forests). 20 p. Filipstad, Filipstads tidnings tryckeri, 1906.

Planting

- Dybeck, Wilhelm. Om insamling och hemklängning af tall-och grankott (Collecting pine and spruce cones). 8 p., illus. Hedemora, A. Lidman, 1909.
Pettis, C. R. Reforesting operations. 46 p., plates. Albany, N. Y., Forest, fish and game commission, 1909.

- Bavaria—K. staatsministerium der finanzen—Ministerial-forstabteilung. Mitteilungen aus der staatsforstverwaltung Bayerns, heft 8. 193 p. München, 1908.
India—Burma—Forest department. Reports on the forest administration in Burma for the year 1908-09. 225 p. Rangoon, India, 1910.
India—Madras. presidency—Forest department. Annual administration report for the twelve months ending 30th June, 1909. 240 p. Madras, 1910.
Russia—Lyesnoi departament (Forest department). Otchet po lyesnomu upravleniyu za 1907 (Report on forest administration for 1907). 489 p. St. Petersburg, 1910.
Switzerland—Département fédéral de l'intérieur—Inspection des forêts, chasse et pêche. Rapport sur sa gestion en 1909. 20 p. Berne, 1910.
Switzerland—Inspektion für forstwesen. Etat der schweizerischen forstbeamten mit wissenschaftlicher bildung; aufgenommen auf den 1. Januar, 1910. 21 p. Berne, 1910.

National and state forests

- American academy of political and social science. Public recreation facilities. 232 p. Philadelphia, 1910. (Its Annals, March, 1910, vol. 35, no. 2.)
Moon, F. F. The Highlands of the Hudson forest reservation. 19 p., plates, map. Albany, N. Y., Forest, fish and game commission, 1909.

Wood utilization

Lumber industry

- Stephen, John W. Lopping branches in lumbering operations. 9 p., plates. Albany, N. Y., Forest, fish and game commission, 1909.
Switzerland—Oberforstinspektion. Statistik des holzverkehrs der Schweiz mit dem auslande in den jahren 1885-1907. 180 p. Zürich, 1910.

Forest by-products

- Edson, H. A. Buddy sap. 28 p. Burlington, Vt., 1910. (Vermont—Agricultural experiment station. Bulletin 151.)

Wood technology

- Wilda, Herman. Das holz; aufbau, eigenschaften, und verwendung. 125 p., illus. Leipzig, G. J. Göschen, 1909.

Wood preservation

- National chemical co. The prevention of blue stain in yellow pine; a few words about the cause of it and much about eradicating it. 12 p., illus. Syracuse, N. Y.
- Yellow pine manufacturers' association. Yellow pine creosoted blocks, the modern perfect pavement for streets, bridges, and crossings. 29 p., diag. St. Louis, Mo., 1910.

Auxiliary subjects

Botany

- Hegi, Gustav. *Illustrierte flora von Mitteleuropa*. vol. 1-2. illus., plates. München, J. F. Lehmann, 1906.

Meteorology

- Moore, Willis L. *Descriptive meteorology*. 344 p., illus. New York and London, D. Appleton & Co., 1910.

Irrigation

- National irrigation congress. Official proceedings of the 17th National irrigation congress, held at Spokane, Wash., Aug. 9 to 14, 1909. 546 p., plates. Spokane, Shaw and Borden Co., 1909.
- United States—Reclamation service. 8th annual report, 1908-1909. 222 p. Washington, D. C., 1910.

Periodical articles

General

- American naturalist, April, 1910—Recent investigations on the comparative anatomy of conifers, by E. C. Jeffrey, p. 253-6.
- Boone review, February, 1910—A plea for action regarding forestry in China, by R. Rosenbluth, p. 13-17; To extend agriculture and forestry as a means to revive industries, by H. E. C. Kwei-lung, p. 24-32.
- Farm and fireside, June 10, 1910—Conservation and the farmer, by T. R. Shipp, p. 3.
- Gardeners' chronicle, April 9, 1910—Leitneria floridana, by J. Dunbar, p. 228.
- Independent, May 5, 1910—Deforestation and drouth, p. 998-9.
- Journal of botany, May, 1910—Notes on synonymy in Ulmus, by A. Ley, p. 130-2.
- Minnesota horticulturist, June, 1910—The lumberman's attitude toward forestry, by J. E. Rhodes, p. 203-7; Lumbering in Washington and Oregon, by R. Orr, p. 216-19.
- National geographic magazine, April, 1910—Landslides and rock avalanches, by G. E. Mitchell, p. 277-87.
- Overland monthly, April, 1910—How forest rangers protect Uncle Sam's forests, by A. L. Dahl, p. 357-61.

- Penn state farmer, April, 1910—Results of experiments in creosoting shingles, by J. A. Ferguson, p. 63-4.
- Philippine agricultural review, February, 1910—Growing kapok in Java, by P. K. A. M. van Embden, p. 89-93.
- Plant world, April, 1910—An aberrant walnut, by I. D. Cardiff, p. 82-5.
- Review of reviews, June, 1910—A new playground for the nation; Glacier national park, Mont., by G. E. Mitchell, p. 710-17.
- Scientific American, April 16, 1910—Big fir trees of the northwest, p. 323.
- Torrey, May, 1910—The vitality of pine seed in serotinous cones, by J. C. Blumer, p. 108-11.
- United States monthly weather review, March, 1910—Coconino forest experiment station near Flagstaff, Ariz., by A. E. Hackett, p. 486-8; The petrified forests of Arizona, by F. H. Bigelow, p. 488-91.

Trade journals and consular reports

- American lumberman, May 21, 1910—Forestry in the University of Washington, p. 52.
- American lumberman, June 4, 1910—Immigration to and settlement of cut-over lands of the south, by P. H. Saunders, p. 46.
- American lumberman, June 11, 1910—New York conference on national hardwood grading rules, p. 46-7.
- Architect and engineer, May, 1910—Concrete as a preservative of wooden piles exposed to seawater, by C. C. Horton, p. 65-7; Hardwood veneers for interior trim, by M. W. Davis, p. 69-75.
- Canada lumberman, June 1, 1910—Straight line saws; methods of care, by Kendall, p. 25-6.
- Engineering record, April 16, 1910—Dry rot in timber, p. 525; Preservatives for wood paving blocks, by C. N. Forrest, p. 531-2.
- Engineering record, May 7, 1910—Characteristics of creosote, p. 610-11.
- Engineering record, May 14, 1910—The drainage of the Everglades, p. 625; The prevention of dry rot, p. 633.
- Furniture journal, May 25, 1910—Red gum, a cabinet wood of notable merit, p. 60-2.
- Hardwood record, May 25, 1910—Utilization of hardwoods; gold furniture, p. 33.
- Hardwood record, June 10, 1910—Spanish oak, p. 23-4; Utilization of hardwoods; wooden tanks and silos, p. 40-1; Comparison of quarter-sawing methods, p. 42-4.
- Lumber trade journal, May 15, 1910—Development of cut-over lands, by P. M. Ikeler, p. 19-20.
- Lumber trade journal, June 1, 1910—Louisiana conservationists make initial report, p. 20-1; Government forest expert reports on great timber resources of Louisiana, by J. H. Foster, p. 30-2.

Lumber world, May 15, 1910—Efficient work of the Forest service, by H. S. Sackett, p. 21-3.

Mississippi valley lumberman, June 3, 1910—Dry kiln construction, by W. T. Plue and others, p. 34-5.

National contractor and builder, May 15, 1910—Timber resources of southern forests, by R. S. Kellogg, p. 49-53.

New York lumber trade journal, May 15, 1910—The eucalyptus tree, by W. E. Marsh, p. 18.

Paper mill and wood pulp news, May 7, 1910—German paper making, by T. H. Norton, p. 7, 38.

Pioneer western lumberman, June 1, 1910—Forest fire protection methods, by A. W. Laird, p. 17-19; New vs. old dry kiln equipment, by F. C. Young, p. 19.

St. Louis lumberman, May 15, 1910—Some information about red gum and its uses, p. 58-9; Soda treatment for prevention of sap stain, p. 59.

St. Louis lumberman, June 1, 1910—History of the wood block pavement, p. 68-72; The work of the Yale forest school in Louisiana, by D. Bruce, p. 74-5.

Southern industrial and lumber review, May, 1910—The forest wealth of the Philippines, p. 30.

Southern lumberman, June 4, 1910—How fast do trees grow? by J. B. Atkinson, p. 26-7, 34.

Southern lumberman, June 11, 1910—Report of the Committee on forestry of the National hardwood lumber association, p. 24; Forest products laboratory opened, p. 40-2; Training Yale forestry students, p. 44.

Timberman, May, 1910—Cattle raising successfully carried forward on cut-over lands, by D. O. Lively, p. 20; Modern methods and science of kiln drying lumber, by F. C. Young, p. 37.

United States weekly consular report, May 14, 1910—Gutta-percha and substitutes, by R. P. Skinner, p. 481-5; Basket-willow industry, by F. Dillingham, p. 491; Coconut products; Germany, England, and Spain, by R. P. Skinner and others, p. 492-4.

United States weekly consular report, May 21, 1910—Street paving in London; cost and life of wooden blocks in populous districts, by J. L. Griffiths, p. 535; Lumber trade; United Kingdom, Italy, France, by H. B. Miller and others, p. 540-1.

United States weekly consular report, May 28, 1910—Foreign timber trade; England, Venezuela, by H. L. Washington and others, p. 602; Paper industry; Uruguay, Siam, by F. W. Goding and others, p. 603.

United States weekly consular report, June 11, 1910—Lumber trade; United Kingdom, Transvaal, Canada, by C. L. Livingston and others, p. 685-6.

Wood craft, June, 1910—The making of moldings; descriptive and practical, by J. Hooper, p. 80-2.

Forest journals

Allgemeine forst-und jagd-zeitung, April, 1910—Der deutsche forstverein und die forstwirtschaft in den deutschen schutzgebieten, by Koehler-Biberach, p. 113-15; Einiges über Schwedens forstliche verhältnisse, by E. Metzger, p. 115-22; Zuwachsuntersuchungen an fichten, by Uesener, p. 122-3; Verwachsungen, by F. Kanngiesser, p. 123-8.

Allgemeine forst-und jagd-zeitung, May, 1910—Der gemischte buchenplenterwald auf Muschelkalk in Thüringen, by Matthes, p. 149-64.

American forestry, June, 1910—A forward step in forest conservation, by W. L. Hall, p. 323-8; Forty-five Americans in the forests of Germany, by H. R. Krimbill, p. 329-36; The mission of the eucalyptus, by F. L. Pierce, p. 337-41; Woman's work for conservation, by Mrs. L. A. Williams, p. 342-8; Some observations on forests and water-flow, by J. T. Rothrock, p. 349-51; The histology of resin canals in white fir, by C. D. Mell, p. 351-6.

Bulletin de la Société centrale forestière de Belgique, May, 1910—Binages dans les pépinières, by L. B., p. 350-1; Les plus gros pins sylvestres de la forêt de Soignes, by N. I. Crahay, p. 351-2; Plantations domaniales d'essences à caoutchouc au Congo, p. 352-4; Emploi du bambou pour la fabrication du papier, p. 355-6; Commerce du bois de quebracho dans la République Argentine, p. 356-9.

Centralblatt für das gesamte forstwesen. March, 1910—Ueber den ausbau der österreichischen forststatistik, by J. Marchet, p. 97-115; Versuche über aufbewahrung von waldsämereien, by E. Zederbauer, p. 116-21; Die studienreise des österreichischen reichsforstvereines durch die Schweiz im September, 1909, by A. Ciesler, p. 125-34.

Forest leaves, June, 1910—Forests and water-flow, by J. T. Rothrock, p. 130-1; The relation of animal life to forestry, by T. R. Morton, p. 131-3; The improvement of farm woodlots, by H. E. Bryner, p. 133-5; A forest road, by G. H. Wirt, p. 135-6; Municipal ownership of forests, by F. H. Dutlinger, p. 137-8; Forestry in a new nation, by F. W. Rane, p. 138-42.

Forstwissenschaftliches centralblatt, May, 1910—Saat oder pflanzung, by D. Frömbing, p. 255-71; Einwirkung von kalk auf tannentrockentorf, by M. Helbig, p. 271-4; Zur nonnenfrage, by Sihler, p. 274-7.

Hawaiian forester and agriculturist, April, 1910—The closer utilization of ohia lumber, by L. Margolin, p. 118-26.

Revue des eaux et forêts, May 1, 1910—Estimation des coupes de pins maritimes dans la région du Sud-Ouest, by P. Biquet, p. 257-62; Voyage en Norvège Juillet-Août, 1909, by H. Perrin, p. 263-76.

Schweizerische zeitschrift für forstwesen, April, 1910—Schlagräumung, by J. R., p. 112-6; Zur frage des anbaues fremdländischer holzarten, by F. Fankhauser, p. 121-6.

Tharander forstliches jahrbuch, 1910—Ueber den einfluss verschiedener durchforstungsgrade auf die schaftform der fichte, by M. Kunze, p. 1-18; Ueber den einfluss verschiedener durchforstungsgrade auf den wachstumsgang der waldbestände, by M. Kunze, p. 19-43; Die reinertrags-

übersichten der kgl. sächs. staatsforsten für das jahr, 1908, by Kassner, p. 74-88; Ueber die fichtengenerationen von *Pineus pini*, by W. Baer, p. 89-94; Ueber *Paururus juvencus*, by W. Baer, p. 95-6.

Zeitschrift für forst-und jagdwesen, April, 1910—Forstwirtschaftliche rückblicke auf das jahr 1908, by Semper, p. 195-215; Aus dem gebiet des blendersaumschlags, by Kienitz, p. 215-24; Der leimring als kampfmittel gegen die nonne, by Lapeyres, p. 235-42.

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CURRENT LITERATURE

MONTHLY LIST FOR JULY, 1910

(Books and periodicals indexed in the Library of the United States Forest Service)

Forestry as a whole

Bibliographies

Tharandt—K. Sächsische forstakademie. Katalog der bibliothek; nachtrag 1, 1900 bis 1904. 88 p. Tharandt, J. & R. Stettner, 1905.

Proceedings of associations

Pennsylvania—Forestry, department of. Proceedings of the first convention of Pennsylvania foresters, held at Harrisburg, Pa., March 4-6, 1908. 49 p. Harrisburg, 1910.

Forest description

Kellogg, R. S. The forests of Alaska. 24 p., plates, maps. Washington, D. C., 1910. (U. S.—Forest service. Bulletin 81.)

Forest botany

Trees, classification and description

Cook, O. F. Relationships of the ivory palms. 9 p., illus. Washington, D. C., 1910. (Smithsonian institution—U. S. national museum. Contributions from U. S. national herbarium, vol. 13, pt. 5.)

Woods, classification and structure

Mell, C. D. The histology of resin canals in white fir. 6 p., illus. Washington, D. C., American forestry association, 1910.

Troup, R. S. Burma padauk, *Pterocarpus macrocarpus*. 41 p., plate, map. Calcutta, 1909. (India—Forest department. Forest pamphlet no. 14.)

Silvics

Forest influences

Girod-Genet, Lucien. Les inondations; a la recherche des causes. 29 p. Nice, G. Mathieu, 1910.

Studies of species

Schwarz, Frank. Physiologische untersuchungen über dickenwachstum und holzqualität von *Pinus sylvestris*. 371 p., illus., plates. Berlin, P. Parey, 1899.

Sterling, E. A. Chestnut culture in the northeastern United States. 28 p., illus., plates. Albany, N. Y., Forest, fish and game commission, 1902.

Silviculture

Fron, Albert. Silviculture. 2d edition. 496 p., illus. Paris, J. B. Baillière et fils, 1909.

Forest protection

Insects

Felt, E. P. Insects affecting forest trees. 56 p., illus., plates. Albany, N. Y., Forest, fish and game commission, 1902.

Forest management

Hole, R. S. Notes on best season for coppice fellings of teak, *Tectona grandis*. 29 p. Calcutta, Supt. of government printing, 1910. (India—Forest department. Forest pamphlet no. 16.)

Forest administration

New York—Forest, fish and game commission. Fifteenth annual report, 1909. 426 p., plates. Albany, N. Y., 1910.

New York—Forest, fish and game commission. Annual report of the Department of forestry. 34 p., plates. Albany, N. Y., 1910.

Forest engineering

Holmes, J. S. Relation of good roads to economic forestry. 6 p. Chapel Hill, N. C., Southern Appalachian good roads association, 1910.

Forest utilization

Fisher, W. F. Forest utilization. 2d edition. 840 p., illus., plates. London, Bradbury, Agnew & Co., 1908. (Schlich's Manual of forestry, vol. 5.)

Wood-using industries

Troup, R. S. The prospects of the match industry in the Indian empire, with particulars of the proposed match-factory sites and woods suitable for match manufacture. 172 p. Calcutta, Supt. of government printing, 1910. (Indian forest memoirs, economic products series, v. 2, pt. 1.)

Auxiliary subjects

Botany

- Fink, Bruce. The lichens of Minnesota. 269 p., illus., plates. Wash., D. C., 1910. (Smithsonian institution—U. S. national museum. Contributions from U. S. national herbarium, vol. 14, pt. 1.)
- Scribner, F. Lamson, and Merrill, Elmer D. The grasses of Alaska. 46 p., plates. Wash., D. C., 1910. (Smithsonian institution—U. S. national museum. Contributions from U. S. national herbarium, vol. 13, pt. 3.)

Nature study

- Coulter, John M., and others. Practical nature study and elementary agriculture; a manual for the use of teachers and normal students. 354 p. N. Y., D. Appleton & Co., 1909.
- Flint, Lillian C. Small gardens for small gardeners, or, What little hands can do with plants. 118 p., illus. Chicago, A. Flanagan Co., 1910.

Parks and reservations

- Strough, Arthur B. The St. Lawrence reservation, or International park. 16 p., illus., plates. Albany, N. Y., Forest, fish and game commission, 1902.

Periodical Articles

General

- American homes, May, 1910—Trees and shrubs to avoid in general planting, by I. E. Johnson, p. 212.
- American naturalist, May, 1910—Anatomical characters in the evolution of Pinus, by I. W. Bailey, p. 284-93.
- Country Life in America, May, 1910—How to know our tree neighbors, by J. E. Rogers, p. 66.
- Farm and ranch, July 2, 1910—The forests of Alaska, by J. A. Arnold, p. 11.
- Gardeners' chronicle, May 7, 1910—Pterocarpa, p. 291.
- Gulf states farmer, June, 1910—Eucalyptus in Louisiana, p. 4-5.
- Journal of the Royal society of arts, April 1, 1910—Indian state forestry, by S. Eardley-Wilmot, p. 493-508.
- Penn state farmer, May, 1910—The development of forestry education in the United States, by J. A. Ferguson, p. 73-7; Extracts from a letter from a student in forestry in the University of Munich, by H. P. Baker, p. 77-82; The importance of the farm woodlot, p. 82-85.
- Report of the West Virginia state board of agriculture, 1910—West Virginia's future timber supply, by A. W. Nolan, p. 98-100.
- School science and mathematics, May, 1910—The catalpa tree, by J. P. Brown, p. 428-30.

- Science progress of the twentieth century, Jan., 1910—The productivity of woodland soil, by J. Nisbet, p. 504-10.
- Tropical life, March, 1910—The rubber industry of Mexico, by P. Olsson-Seffer, p. 50-2.

Trade journals and consular reports

- American lumberman, June 25, 1910—Cooperation in settlement of cut-over lands in southern states, by E. Hines, p. 34-5.
- Engineering magazine, May, 1910—Reforestation of reservoir lands, by E. R. B. Al-lardice, p. 267-9.
- Engineering news, May 12, 1910—The new timber-treating plant of the Eppinger and Russell Co. at Jacksonville, Fla., by G. B. Shipley, p. 545-7.
- Engineering news, June 23, 1910—Records of deforestation and gage heights for the St. Croix and Chippewa rivers, by C. W. Durham, p. 732.
- Hardwood record, June 25, 1910—Southern red oak, p. 23-4; Utilization of hardwoods; pyrography, p. 50-1.
- Lumber review, June 15, 1910—Timber wealth of the Philippines, p. 44-6.
- Mississippi Valley lumberman, June 24, 1910—Conservation of natural resources, by W. M. Bray, p. 35-6.
- Pacific lumber trade journal, June, 1910—Taxation of timber lands, by D. E. Fairchild, p. 36-42.
- Pioneer western lumberman, June 15, 1910—A brief consideration of California's lumber industries, p. 13-15; Eucalyptus commercially considered, by G. B. Lull, p. 23-5.
- St. Louis Lumberman, June 15, 1910—Blue stain in lumber and its prevention, by W. B. Harper, p. 63-4; Increasing interest in the soda-dipping process, p. 64-5; Mechanical means for the automatic dipping of lumber, p. 66-7; Soda dipping at the plant of the Gilchrist-Fordney lumber co., p. 67-8; Agricultural possibilities of the pine lands of the south, by B. Colbert, p. 72-4.
- St. Louis Lumberman, July 1, 1910—Prevention of blue stain in lumber, by H. von Schrenk, p. 60-1; Comparison of results from experiments on cut-over pine lands with other agricultural lands of the United States, by B. Colbert, p. 65-7; The yellow pine creosoted block, p. 68-70.
- Timber trade journal, June 11, 1910—The timber trade in Grand Canary, by W. H. R., p. 877-8; Tree felling by machinery, p. 881.
- Timberman, June, 1910—Method of drying wood with superheated steam at low temperature, by D. E. Lain, p. 52.
- United States weekly consular report, June 15, 1910—The rubber industry; Mexico, Honduras, East Indies, by W. W. Canada and others, p. 769-73; Wooden water

- pipes; Australian factory started for supplying a heavy demand, by H. D. Baker, p. 792.
- Wood craft, July, 1910—A museum of trees, the Arnold arboretum, p. 103-5; Moldings, their construction and practice, by J. Hooper, p. 106-9; Storing lumber and handling shavings, by J. F. Hobart, p. 110-11; A heart-to-heart talk with the wood finisher, by A. A. Kelly, p. 112-13.
- Wood-worker, June, 1910—The history of balata belting, p. 52-4.
- Forest journals*
- Allgemeine forst-und jagd-zeitung, June, 1910—Die forstlich wichtigen bestimmungen des vorentwurfs zu einem deutschen strafgesetzbuch, by Eberts, p. 188-99; Ahermals "Neue methode zur raschen und genauer ermittlung des holzgehaltes ganzer bestände," by Schubert und Wimmenauer, p. 199-205; Ueber die wahl der durchschlagszeit von waldungen zur bestimmung des hiebssatzes, by F. Gascard, p. 205-6; Die grösse der natürlich verjüngten waldflächen, p. 217-18.
- American forestry, July, 1910—The new forest products laboratory, by E. A. Start, p. 387-403; The work of the government in forest products, by H. S. Graves, p. 405-8; Some examples of timber test, p. 409-14; The paper and pulp industry and conservation, by B. R. Goggins, p. 415-18; Tennessee river improvement and sedimentation, by L. C. Glenn, p. 419-22; What is conservation? p. 423-5.
- Bulletin de la Société centrale forestière de Belgique, June, 1910—A propos de la provenance des graines de pin sylvestre, by E. de M., p. 389-94; Le pin cembro, p. 395-7.
- Centralblatt für das gesamte forstwesen, April, 1910—Neue gesichtspunkte über die entstehung von nonnenkalamitäten und die mittel zu ihrer abwehr, by F. A. Wachtl, p. 145-51; Bodenphysikalische untersuchungen in mischbeständen von eiche und buche, by R. Wallenböck, p. 151-6; Zur theorie der abrundungskuppen, by N. von Lorenz, p. 157-62; Konstruktion und berechnung der strebwerksklausen auf gleiche biegungsfestigkeit, by L. Hauska, p. 163-76.
- Forestry quarterly, June, 1910—The cost of forest mapping and estimating in Montana, by K. W. Woodward, p. 147-57; The effect of grazing on forest conditions in the Caribou national forest, by E. R. Hodson, p. 158-68; Comparison of large and small sawmills on Tahoe national forest, by M. B. Pratt, p. 169-73; Yield tables of western forests, by E. I. Terry, p. 174-7; Notes on the wood structure of the Betulaceæ and Fagaceæ, by I. W. Bailey, p. 178-85; Forestry in the agricultural colleges and experiment stations, by S. B. Green, p. 186-90; Notes of a civil engineer on a forester's education, by F. B. Knapp, p. 196-7; The place of forestry in general education, by H. A. Smith, p. 191-5; Growth of the Forest service library, by H. E. Stockbridge, p. 198-200; Some European forest notes, by C. E. Bessey, p. 201-9; A supervisors' meeting, p. 210-21.
- Indian forester, April, 1910—Indian state forestry, by S. Eardley-Wilmot, p. 179-91; Notes on the forests of Heppenheim in Hesse-Darmstadt, by F. Cowley-Brown, p. 191-202; The bamboo forests of the Ganges Division, U. P., by B. A. Rebsch, p. 202-21; Effect of rainfall on forests, by E. Batchelor and R. S. Pearson, p. 222-5.
- Revue des eaux et forêts, May 15, 1910—Insectes nuisibles aux arbres forestiers de l'Inde, by E. H., p. 303-7; Alcohol ordinaire tiré du bois, p. 314-15.
- Revue des eaux et forêts, June 1, 1910—Divisions botaniques et régions forestières de l'Algérie, by G. Lapie, p. 324-8; L'impot forestier en Allemagne, by A. Arnould, p. 328-39; Le problème sylvo-pastoral dans l'Italie du sud, by J. Dinner, p. 339; Forêts inexplorées en Chine, p. 347-9; La distillation sèche du bois avec la vapeur surchauffée, p. 349-50; La situation forestière dans l'Afrique du Sud, p. 350-2; Tarif général de cubage pour l'estimation en bois et résine des coupes de pins maritimes dans la région du Sud-Ouest, by P. Biquet, p. 353-67; Tarière de Pressler, by A. Schaeffer, p. 367-70.
- Zeitschrift für forst- und jagdwesen, May, 1910—Veränderungen des bodens durch aufforstung bisheriger ackerländereien, by Fricke, p. 259-64; Der Kameruner küstenwald, by M. Büngen, p. 264-83.

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Walter Mulford

CURRENT LITERATURE

MONTHLY LIST FOR AUGUST, 1910

(Books and periodicals indexed in the Library of the United States Forest Service)

Forestry as a whole

Fok, A. A. Lyesnoi spravochnik (Forestry information). 147 p., illus. S.-Peterburgh, B. Avidona, 1905.

Bibliographies

Kostyaev, A. B. Sistematicheskiĭ ukazatel otdyel'n'ikh izdaniĭ i zhurnal'n'ikh stateĭ na rysskom yaz'ike po voprosam: ukryepleniya i oblyeseniya peskov, ovraghov, ghorn'ikh potokov (Systematic index of literature in Russian on questions of fixation and reforestation of gullies, mountain torrents, sand areas, etc.). 52 p. S.-Peterburgh, Lyesnoi departament, 1906.

Proceedings of associations

Royal Scottish arboricultural society. Transactions, July, 1910, vol. 23, pt. 2. 120 p., illus. Edinburgh, 1910.

Forest esthetics

Street and park trees

East Orange, N. J.—Shade trees commission. Sixth annual report, year 1909. 12 p., plates. East Orange, 1909.

Forest education

Arbor day

Wisconsin—Department of public instruction. Wisconsin arbor and bird day annual, 1910. 104 p., illus., plates. Madison, Wis., 1910.

Forest schools

North Dakota school of forestry. Fourth annual catalogue, 1909-1910. 36 p., plates. Bottineau, N. D., 1910.

Forest description

Muriel, C. E. Report on the forests of the Sudan. 2d ed., 35 p. Cairo, Al-Mokat-tam printing office, 1901.

Forest botany

Woods; classification and structure

Mell, C. D. Notes on the identification of a tropical wood. 3 p. Washington, D. C., American forestry association, 1910.

Silvics

Clements, F. E. The life history of lodge-pole burn forests. 56 p., pl. Washington, 1910. (United States—Agriculture, Department of—Forest service. Bulletin 79.)

Lyesnaya pochva i klimat (Forest soil and climate). 35 p. S.-Peterburgh, K. A. Chetverikova, 1906.

Forest experiment stations

Schweizerische centralanstalt für das forstliche versuchswesen. Mitteilungen, vol. 10, no. 1. 101 p., illus., plates. Zürich, 1910.

Forest protection

Animals

Lantz, David E. Pocket-gophers as enemies of trees. 10 p., illus., plates. Washington, D. C., Government printing office, 1910.

Forest administration

Dutch East Indies—Dienst van het boschwezen. Verslag over het jaar 1908. 118 p., plates. Buitenzorg, 1910.

India—Bengal—Forest department. Annual progress report on forest administration in the lower provinces of Bengal for the year 1908-1909. 53 p. Calcutta, 1909.

India—Bombay Presidency—Forest department. Administration report for the year 1908-1909. 176 p. Bombay, 1910.

India—Coorg—Forest department. Progress report of forest administration for 1908-1909. 25 p. Bangalore, 1910.

India—Eastern Bengal and Assam—Forest department. Progress report of forest administration for the year 1908-1909. 67 p., maps. Shillong, 1909.

New South Wales—Department of agriculture—Forestry branch. Report for the year ended 30 June, 1909. 9 p., plates. Sydney, N. S. W., 1909.

United States—Forest service. July field program, 1910. 38 p. Washington, 1910.

Forest utilization

Lumber industry

United States—Forest service. Lumber saved by using odd lengths. 5 p. Washington, 1910. (Circular 180.)

Wood-using industries

Ghemmerlingh, V. Tzokhotznaya kul'tura korzinochnoi iv'i (Profitable culture of basket willows). 110 p., illus., plates. S.-Peterburgh, Izdanie Zhurnala "Khoz-yain," 1904.

Smith, Franklin H. A study of the Wisconsin wood-using industries. 68 p. Madison, Wis., Democrat printing co., 1910.

Wood technology

Western Australia—Minister for lands and agriculture. Notes re timbers of Western Australia suitable for railways, engineering works, and constructional purposes generally. 2d ed., 36 p., plates, map. Perth, W. A., 1908.

Auxiliary subjects

Conservation of natural resources

Canada—Commission of conservation. Report of the 1st annual meeting. 216 p., plates, maps. Ottawa, 1910.

Grazing

Jardine, J. T. The pasturage system for handling range sheep. 40 p., pl. Washington, 1910. (U. S.—Agriculture, Department of—Forest service. Circular 178.)

Irrigation

Beach, C. W., and Preston, P. J. Irrigation in Colorado. 48 p., map. Washington, 1910. (U. S.—Agriculture, Department of—Experiment stations, Office of. Bulletin 218.)

Fuller, P. E. The use of windmills in irrigation in the semi-arid west. 44 p., illus. Washington, 1910. (U. S.—Agriculture, Department of. Farmers' bulletin 394.)

Periodical articles

General

Harpers' weekly, June 4, 1910—Stripping of the hills, by W. C. Barnes, p. 11-12.

Journal Franklin institute, August, 1910—The effect of crystalline pigments on the protection of wood, by H. A. Gardner, p. 117-23.

Nature, June 9, 1910—Recent progress in Indian forest technology, by W. R. Fisher, p. 428-9.

Overland monthly, June, 1910—Rainier forest reserve, by McCully, p. 552-60.

Plant world, June, 1910—The starch content of leaves dropped in autumn, by L. L. Harter, p. 144-7.

Science, July 15, 1910—The effect of deforestation in New England, by H. F. Cleland, p. 82-3.

Scientific American supplement, June 4, 1910—Canadian pulpmaking, by F. C. Perkins, p. 360-1.

Scientific American supplement, July 2, 1910—Gutta-percha and substitutes, by R. P. Skinner, p. 9-10.

United States monthly weather review, May, 1910—The reclamation of Minnesota's waste land, by G. A. Ralph, p. 718-20; Relation of deforestation to precipitation and run-off in Wisconsin, by W. C. Devereaux, p. 720-3; Experimental determination of the relation of forests to stream flow, by F. H. Brandenburg, p. 770.

World to-day, July, 1910—Reforestation of a great city, by J. H. Prost, p. 735-40.

Trade journals and consular reports

American lumberman, July 23, 1910—Destructive work of the teredo, or ship worm, in various kinds of wood, p. 69.

American lumberman, July 30, 1910—Logging scientifically and incisively analyzed; congress at Portland, Oreg., of Pacific northwest operators, p. 43-8; Live-stock raising on cut-over lands, by D. O. Lively, p. 49; The logging donkey in pine timber, by W. Deary, p. 49; Taxation of timber lands, by E. T. Allen, p. 49-50; Scaling of logs, by D. L. Wiggins, p. 50-1; Steam railroads in modern logging, by J. J. Donovan, p. 51; Connecting electricity with logging, by C. Remschel, p. 51-2; Gravity cables on steep ground, by F. E. Newby, p. 52; The gypsy locomotive, by R. T. Earle, p. 52-3; The logger's opportunities and duties, by G. S. Long, p. 53-4; Steam or electric logging, by J. R. Thompson, p. 54; The gasoline locomotive, by C. A. Harp, p. 54-5.

American lumberman, August 6, 1910—Log scaling in British Columbia, by A. Haslam, p. 52; Forest protection; safety of loans, by E. T. Allen, p. 52-3.

Barrel and box, June, 1910—Necessity for reducing waste in the wood-using industries, by W. L. Hall, p. 38-9.

Engineering magazine, June, 1910—Protection of piles in sea water, by R. Barker, p. 414-16.

Hardwood record, July 10, 1910—Turkey oak, p. 23; Lumber handling with storage-battery locomotives, by W. H. Miller, p. 26-8; Utilization of hardwoods; grille work, p. 33-4; The importance of wood preservation, by J. Upham, p. 35.

Hardwood record, August 10, 1910—Utilization of hardwoods; plows, p. 23-4; Common sense as applied to the seasoning of lumber, p. 27-9.

- Lumber review, July 1, 1910—Forestry in China, by W. T. Gracey, p. 35; Wood block paving, p. 57-9.
- Municipal journal and engineer, July 6, 1910—Creosote for wood blocks, by R. Lamb, p. 7.
- National coopers' journal, August, 1910—Furthering conservation by reducing waste in woodworking industries, by W. L. Hall, p. 11; The march of the gum stave, by W. C. Hartman, p. 23.
- New York lumber trade journal, July 15, 1910—Logging in far-away Siam, by W. E. Bouschor, p. 235.
- Pioneer western lumberman, July 15, 1910—Forests in condensation and conservation, p. 15.
- Southern industrial and lumber review, July, 1910—The lumber history of Texas for 1909, by J. C. Dionne, p. 48-9; Louisiana conservation commission secures forestry law, p. 68, 79.
- Timber trade journal, July 9, 1910—Formosan timber at the Japan-British exhibition, p. 40.
- Timberman, July, 1910—Self-releasing choker applied to land clearing and cable-way skidding, by S. Ashdown, p. 25.
- United States daily consular report, August 4, 1910—Wood pulp in Norway, by H. Bordewich, p. 364.
- United States daily consular report, August 6, 1910—Hardwood flooring; England has not adopted it so much as the continent, by H. L. Washington, p. 397.
- Wood craft, August, 1910—Mahogany, and where it grows; Central America and Mexico, by J. Gifford, p. 139-41; The art and practice of wood-staining, by A. A. Kelley, p. 146-9.
- Wood-worker, July, 1910—Quater-sawing, by G. S. Johnson, p. 37.
- Forest journals*
- Allgemeine forst-und jagd-zeitung, July, 1910—Plenterwald, by M. Wernick, p. 229-35; Die anwendung des bodenerwartungswertes bei der forsteinrichtung, by Martin and Wimmenauer, p. 235-46.
- American forestry, August, 1910—Planting forests in Kentucky, by J. B. Atkinson, p. 449-56; Americans and American trees in Germany; a series of pictures, by H. R. Krinbill, p. 456-62; Agencies for the restoration and conservation of forests, by S. B. Elliott, p. 481-9; Notes on the identification of a tropical wood, by C. D. Mell, p. 489-91.
- Bulletin de la Société centrale forestière de Belgique, July, 1910—De l'ameublement des sols forestiers, by G. Crahay, p. 429-38; Les engrais chimiques en culture forestière, by J. H., p. 439-44; A propos du pin sylvestre, by R. Hickel, p. 444-52.
- Centralblatt für das gesamte forstwesen, June, 1910—Bestandesumwandlung im Wienerwalde, by Th. Micklitz, p. 243-57; Über die feststellung von rauchschäden im nadelwald, by Peter von Rusnov, p. 257-68; Über das verhalten der nonnenraupen auf früh-und spätreibenden fichten, by W. Sedlacek, p. 268-70.
- Forest leaves, August, 1910—The importance of a geological and soil study of a reserve previous to the preparation of a forest working plan, by J. L. Witherow, p. 146-8; The chestnut blight, by F. L. B., p. 148-50; The collection of growth and yield data as a working-base for plans of management and the value of permanent sample plots, by E. A. Ziegler, p. 150-2; Some notes on wood preservation, by C. W. Tiffany, p. 154-8.
- Forstwissenschaftliches centralblatt, June, 1910—Altes und neues über adventivwurzeln, by Vogtherr, p. 305-16; Zur bekämpfung des grossen braunen rüsselkäfers, by H. H. Rothe, p. 330-3; Die umtriebszeit der kiefer in den staatsforsten von Preussen, Bayern, Elsass-Lothringen, Hessen und Anhalt, by Martin, p. 363-87; Die wälder Kaukasiens, p. 404-7.
- Hawaiian forester and agriculturist, May, 1910—The meaning of conservation, by R. S. Hosmer, p. 152-63.
- Indian forest records, 1909—A note on the fissibility of some Indian woods, by R. S. Troup, p. 29-73.
- Indian forester, May, 1910—Some factors which influence the yield of resin from *Pinus longifolia*, by E. A. Smythies, p. 278-83; Reproduction by coppice shoots, by H. C. Walker, p. 284-7; Reproduction of *Terminalia tomentosa* and the spread of *Zizyphus cnoplia* in Chanda, C. P., by L. K. Martin, p. 287-91; Coppice, by W. H. Lovegrove, p. 291-2; An Australian afforestation experiment, by H. S. Gullett, p. 317-18.
- Minnesota forester, June, 1910—An example of silviculture, p. 66-7.
- Ohio forester, March, 1910—Pruning shade and forest trees, by A. D. Selby, p. 3-5; Historical sketch of arbor day, by W. R. Lazenby, p. 5-6; Forestry in a real sense, by E. Secrest, p. 6-10; Hints for tree planting, by W. R. Lazenby, p. 14.
- Quarterly journal of forestry, July, 1910—English hedgerows and hedgerow timber, by E. R. Pratt, p. 177-87; A visit to the forest of Sainte-Baume in Provence, by H. J. Elwes, p. 188-91; The forest of Dean revisited, by W. Schlich, p. 198-203; Observations on the large larch sawfly, by J. F. Annand, p. 203-21; Elm seedlings, by A. Henry, p. 224-34; Tree planting in streets, by C. W. Hammond, p. 234-37; Royal agricultural society of England, Liverpool show, 1910; forestry exhibition, p. 248-60.
- Revue des eaux et forêts, July 1, 1910—Les arbres dans la région de Bordeaux, by L. Pardé, p. 385-94.

- Schweizerische zeitschrift für forstwesen, May, 1910—Forstliche preisfrage, by B. Bavier, p. 145-52; Die steinwechsel von einem parasitischen pilz verunstaltet, p. 152-5; Aufastungen, by H. Schmuziger, p. 155-64.
- Schweizerische zeitschrift für forstwesen, June-July, 1910—Schneescha den vom 20-21. Januar, 1910, in Kt. Solothurn, p. 177-82; Die erhaltung der obern baum- und waldgrenze, p. 182-6; Über die kunstliche veranlassung des abganges von lawinen, by F. W. Sprecher, p. 186-95.
- Zeitschrift für forst-und jagdwesen, June, 1910—Beitrag zur kenntnis der ortsteinbildung, by R. Albert, p. 327-41; Die anwendung neuen erkennens und können auf die kiefern samendarre, by Wiebecke, p. 342-60; Ist die grüne Douglasfichte in Deutschland frosthart, p. 360-3.

CURRENT LITERATURE

MONTHLY LIST FOR SEPT., 1910

(Books and periodicals indexed in the Library of the United States Forest Service).

Forestry As a Whole

Enisei—Upravlenie ghosudarstvennuim imushchestvami V Iyesakh Eniseiskoi ghubernii (Government forestry in Enisei, Siberia.) Part 1. 126 p., illus., plates. Krasnoyarsk, Siberia, M. I. Abalakova, 1910.

Japan—Agriculture and commerce, Dept. of —Forestry, Bureau of. Forestry of Japan. 127 p. Plates. Tokyo, Japan, 1910.

Proceedings of associations

Canadian Forestry Association. Eleventh annual report, 1910. 141 p. Plates. Quebec, Chronicle Printing Co., 1910.

Forest Aesthetics

Street and park trees

Mell, C. D. A forester whose field is the city. 5 p., illus. Washington, D. C., American Forestry Association, 1910.

Forest Education

Arbor Day

Tower, Gordon E. Suggestions for the observance of Arbor Day by the public schools of Maine, with suggestions for selecting and planting trees. 12 p. Augusta, Maine, Maine Forestry and Education Departments, 1910.

Forest Legislation

New York—Forest, Fish and Game Commission. Forest, fish and game law. 234 p. Albany, N. Y., State printers. 1910.

Forest Botany

Maiden, J. H. The forest flora of New South Wales, pt. 39, 17 p. Plates. Sydney, N. S. W., Government printer, 1910.

Woods, classification and structure

Jaccard, P. Etude anatomique de bois comprimés. 48 p., illus. Plates. Zürich, Switzerland, F. Lohbauer, 1910.

Silvics

Ecology

Shreve, Forrest, and others. The plant life of Maryland. 533 p., illus. Plates. Baltimore, Md., Johns Hopkins press, 1910. (Maryland Weather service. Special publication, vol. 3.)

Studies of species

Hodson, E. R., and Foster, J. H. Engelmann spruce in the Rocky Mts., with special reference to growth, volume and reproduction. 23 p. Wash., D. C., 1910. (U. S. Forest Service. Circular 170).

Sellers, C. H. Eucalyptus; its history, growth and utilization. 81 p., illus. Sacramento, A. J. Johnston co., 1910.

Silviculture

Planting

United States—Forest service. Forest planting leaflet; loblolly pine. 4 p. Wash., D. C., 1910. (Circular 183).

United States—Forest service. Forest planting leaflet; shortleaf pine. 4 p. Wash., D. C., 1910. (Circular 182).

Forest Protection

Fire

Graves, Henry S. Protection of forests from fire. 48 p., illus. Plates. Wash., 1910. (U. S. Agriculture, Dept. of Forest service. Bulletin 82).

Avalanches

Switzerland-Innern, Eidgenössisches departement des. Statistik und verbau der lawinen in den Schweizeralpen. 126 p., illus., plates, maps. Bern, Switzerland, 1910.

Forest Management

Judeich, Johann Friedrich. Die forsteinrichtung. 6th ed., 575 p. Plate. Berlin, P. Parey, 1904.

Forest Administration

Cape of Good Hope—Forest department. Report of the chief conservator of forests for the year ending 31st December, 1909. 25 p. Plates. Cape Town, Government printers, 1910.

India—Punjab—Forest department. Progress report on forest administration for 1908-1909. 123 p. Lahore, India, 1909.

Minnesota—Forestry commissioner. 15th annual report, for the year 1909. 154 p. Plates. St. Paul, 1910.

National and state forests

United States—Forest service. National forests; location, date, and area, June 30, 1910. 4 p. Washington, D. C., 1910.

Forest Utilization

Lumber industry

United States—Forest service. Record of wholesale prices of lumber based on actual sales made f. o. b. mill for April, May and June, 1910. 13 p. Washington, D. C., 1910.

Periodical Articles

General

Botanical gazette, August, 1910.—The origin of ray tracheids in the Coniferæ, by W. P. Thomson, p. 101-16; on the relationship between the length of the pod and fertility and fecundity in *Cercis*, by J. A. Harris, p. 117-27; Oxidizing enzymes and their relation to "sap stain" in lumber, by I. W. Bailey, p. 147-7; A modification of a Jung-Thoma sliding microtome for cutting wood, by R. B. Thomson, p. 148-9.

Country life in America, September, 1910.—At the streams source; a first-hand study of the results of deforestation, by E. A. Mills, p. 519-23; The abandoned farm in New Hampshire, by F. W. Rollins, p. 531-4.

Greater Colorado magazine, August, 1910.—Estes park ideal for national preserve, by A. W. Sowers, p. 3-4; Tells of visits through Colorado, by Henry S. Graves, p. 33-5; Work of the Forest Service in Colorado, p. 35-40.

Munsey's magazine, September, 1910.—The passing of the chestnut trees, by B. Millard, p. 758-65.

North American review, August, 1910.—Shall the nation take thought for the morrow? by F. P. Elliott, p. 209-16.

Sierra club bulletin, June, 1910.—The proposed Estes national park, by Enos A. Mills, p. 234-6.

Trade journals and consular reports

American lumberman, Sept. 10, 1910.—Safe-guarding the resources of the nation; annual meeting of the National Conservation congress at St. Paul, Minn., p. 43-48; Conservation of natural resources a trust of the nation, government and people, by H. S. Graves, p. 49-50; Conservation, its purposes and its application to the country's national resources, by J. B. White, p. 50; Rational system of taxation of natural resources, by F. L. McVey, p. 51.

Canada lumberman, August 1, 1910.—Logging machinery in Canadian woods, p. 24-6.

Canada lumberman, August 15, 1910.—The timber industry in Nova Scotia, p. 22, Uses of sawdust flour, p. 33.

Canada lumberman, Sept. 1, 1910.—Logging operations in Ontario camps, p. 22-4; Howard process of vulcanizing lumber, p. 26-7.

Engineering news, Aug. 11, 1910.—Other elements than forestation which effect stream flow, by H. C. Lee, p. 155-6.

Hardwood record, August 25, 1910.—Utilization of hardwoods; baseball bats, p. 83-4.

Hardwood record, September 10, 1910.—Utilization of hardwoods; caskets, p. 32-3; The compound hub, p. 33-4.

Lumber trade journal, Aug. 15, 1910.—Possibilities of cut-over yellow pine lands of the south, by R. von Bergen, p. 19-20.

Mississippi Valley lumberman, Sept. 2, 1910.—Merits of wood pavements, by G. Winslow, p. 35-6.

Municipal journal and engineer, Aug. 10, 1910.—Creosote for wood blocks, p. 187-8.

Pioneer western lumberman, Sept. 1, 1910.—Logging in the national forests, by F. E. Ames, p. 27-9; Fire prevention in the woods, by D. P. Simons, p. 31-3; Topographical survey and its economic value in logging operations, by J. P. Van Orsdel, p. 33-5.

St. Louis lumberman, Aug. 15, 1910.—Lumber conditions in Europe, by G. H. Emerson, p. 30; Conservation of natural resources, by J. B. White, p. 38-9.

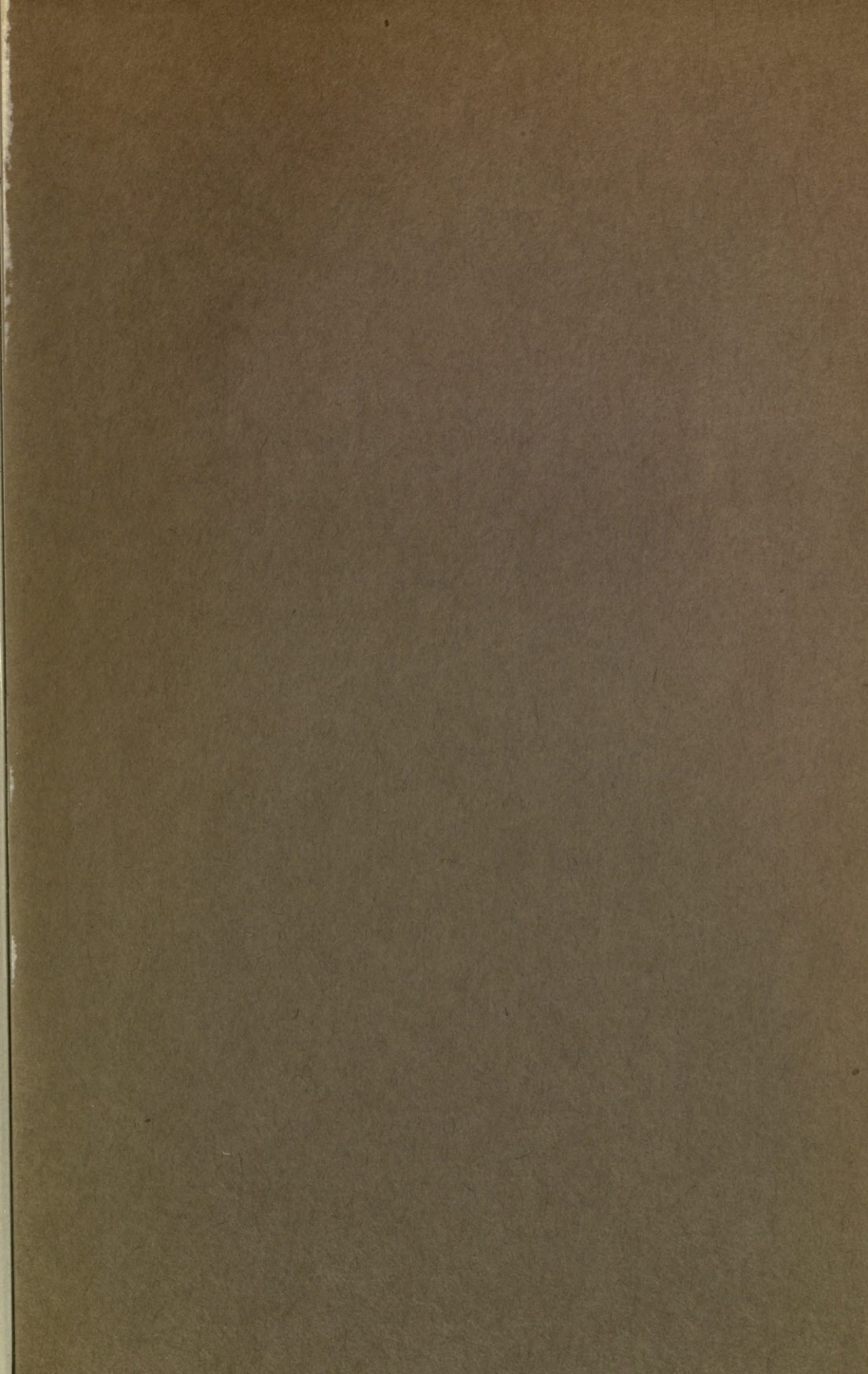
Southern lumberman, Aug. 13, 1910.—Tree nurseries in New York state, by J. S. Whipple, p. 36-8.

Timber trade journal, Aug. 6, 1910.—Korean timber at Japan-British exhibition, p. 182-3.

Timber trade journal, Aug. 27, 1910.—Japanese woods at the White city, p. 289.

- Timberman, Aug., 1910.—Second session of Pacific logging congress a brilliant success, p. 20-64CC.
- United States daily consular report, Sept. 1, 1910.—Rubber cultivation and trade; Brazil and Mexico, by G. H. Pickereil and others, p. 793-801.
- United States daily consular report, Sept. 15, 1910.—Rubber cultivation and trade; Portuguese East Africa, West Africa, etc., by G. A. Chamberlain and others, p. 809-13.
- Wood craft, Sept., 1910.—The sideboard, its origin and development, by J. Hooper, p. 173-7; Important factors in the operation of dry-kilns, by C. A. Haenssle, p. 178-9; Furniture and hard wood polishing in general, by A. A. Kelly, p. 185-7; Dry-kiln methods used by the Browne-Morse company, p. 190-3; Felling trees in the forest, p. 195.
- Forest journals*
- American forestry, Sept., 1910.—The protection of forests from fire, by H. S. Graves, p. 509-18; A forester whose field is the city, by C. D. Mell, p. 519-33; The reforestation of Denmark, by W. Hovgaard, p. 525-9; The Karst, reforested with Austrian pine, p. 530-1; The story of Manti; a study in cause and effect, by W. C. Barnes, p. 532-4; Known by their fruits; the 9th annual meeting of the society for the protection of New Hampshire forests, by E. A. Start, p. 535-9; The Philippine bureau of forestry and its work, by W. D. Sterrett, p. 539-44; Agricultural lands in national forests, by H. S. Graves, p. 560-2.
- Bulletin de la Société centrale forestière de Belgique Aug., 1910.—Exploitation abusive des forêts particulières, p. 512-23; La culture de l'orme en taillis, by N. I. Crahay, p. 529-31; La Norvège au point de vue forestier, by N. I. Crahay, p. 531-3.
- Centralblatt für das gesamte forstwesen, July, 1910.—Beiträge zur begründung der lehre über die erziehung der fichte, by A. Schiffel, p. 291-309; Grün- und rotzapfige fichten, by E. Zederbauer, p. 310-11.
- Forstwissenschaftliches centralblatt, Aug. Sept., 1910.—Die fichte im milden klima, by Koch, p. 433-53; Bemerkungen zu der Bohdanecky'schen (Worliker) methode der erziehung der fichte in lockerem kronenschluss, by D. Tieman, p. 454-66; Zur besteeuerung des waldes, by H. Weber, p. 467-93; Kunstliche düngung im walde, by Werkmann, p. 493-6; Die studienreise deutscher forstmänner nach skandinavien im sommer 1909, by Haug, p. 500-8.
- Indian forester, June-July, 1910.—The genus Citrus, by A. W. Lushington, p. 323-53; The Imperial forest college and research institute buildings at Dehra Dun, p. 353-6; Fire conservancy in Indian forests, by H. S. Walker, p. 356-60; Forestry and the state, by W. Dawson, p. 407-19; The forest resources of Russia, p. 419-20; Bagasse for paper, by W. Raitt, p. 428-31.
- Indian forester, Aug., 1910.—Report on the paper pulp industry in Sweden, by H. M. Villiers, p. 438-50; A new resin cup, by T. S. Woolesey, p. 450-2; The Powell wood process company, India, limited, by G. C. Phillips, p. 452-4.
- Minnesota forester, Aug., 1910.—Forest fire prevention and control, p. 76-80.
- Revue des eaux et forêts, August 1, 1910.—Le rouge du pin sylvestre, by E. Maire, p. 458-60.
- Revue des eaux et forêts, Aug. 15, 1910.—Les dunes de Gascogne et le décret du 14 Décembre, 1810, by C. Guyot, p. 481-93.
- Zeitschrift für forst- und jagdwesen, July, 1910.—Nutzholzbäume Deutsch-Südwestafrikas, by C. Pogge, p. 400-26; Versuche über die verwendbarkeit des rothbuchenholzes zu eisenbahnschwellen, by A. Swappach, p. 427-32.
- Zeitschrift für forst- und jagdwesen, Aug. 1910.—Einfluss der herkunft und erziehungsweise auf die beschaff enheit des fichtenholzes, by A. Schwappach, p. 455-73; Neues zur frage des natürlichen verbreitungsgebietes der kiefer, by Dengler, p. 474-95.





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| Pamphlets | |
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